2.2.1
2022-23

• Session: 2022-2023 • Course: B.Tech • Year: 3rd • Section: A

Attendance between 0 - 100 (%age)

Semester Type: Odd

S.No.	Student ID	Roll Number	Name	Father Name	Paper Codes	Total Class	Attended	(%age)
1	200110120	2000820100001	Abhay Bhatnagar	Mr. Pawan Bhatnagar	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	176	71.8
2	200110152	2000820100002	Abhay Chauhan	Sanjay Kumar	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	150	61.2
3	200110094	2000820100003	Abhay Pratap Singh	Mr.kuldeep Vittan	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	180	73.5
4	200110038	2000820100004	Abhijeet	Patras	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	141	57.6
5	200110169	2000820100005	Abhilash Sharma Paras	Ishwar Sharma	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	175	71.4
6	200110065	2000820100007	Abhishek Kumar	Vinod Kumar Morya	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	185	75.5
7	200110104	2000820100008	Aditya Agarwal	Sanjeev Agarwal	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	164	66.9
8	200110083	2000820100009	Aditya Mudgal	Kailash Chandra Sharma	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	244	138	56.6
9	200110118	2000820100010	Aditya Saraswat	Vidya Bhushan Sharma	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	177	72.2
10	200110139	2000820100011	Aditya Singh	Satvir Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	185	75.5
11	200110124	2000820100012	Aditya Tyagi	Shashank Tyagi	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	156	63.7
12	200110032	2000820100013	Akash Sharma	Ravi Kant Sharma	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	170	69.4
13	200110201	2000820100014	Akshay Kumar	Jaivindar Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	163	66.5
14	200110024	2000820100016	Akshit Tyaagi	Rajeev Tyagi	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	244	155	63.5
15	200110100	2000820100017	Ali Samin Raza	Mohd. Intezar Haider	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	140	57.1
16	200110212	2000820100018	Aman	Sunil	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	244	166	68
17	200110080	2000820100019	Aman Ruhela	Naveen Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	148	60.4
18	200110068	2000820100020	Anant Agarwal	Mr. Pankaj Agarwal	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	200	81.6
19	200110231	2000820100021	Anmol Choudhary	Mr. Nitu Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	151	61.6
20	200110110	2000820100022	Annu Singh	Anoj Kumar Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	168	68.6
21	200110062	2000820100023	Ansh Raj Vardhan	Raj Kishor	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	148	60.4
22	200110193	2000820100024	Anuj Singh	Ram Vilas	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	245	218	89
23	200110076	2000820100025	Anushka Gupta	Pradeep Kumar Gupta	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	244	204	83.6

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24	200110004	2000820100026	Areeba	Shakeel Ahmad	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	244	189	77.5
25	200110209	2000820100028	Aryan Khanna	Raju Khanna	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	244	163	66.8
26	200110174	2000820100029	Ayush Sharma	Sanjay Kumar Sharma	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	247	180	72.9
27	200110008	2000820100031	Ayush Vishnoi	Kapil Kumar Vishnoi	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	201	80.1
28	200110026	2000820100032	Ayushmaan Singh	Mr. Karan Pal Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	156	62.2
29	200110106	2000820100034	Bhavya Singh	Vineet Kumar Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	250	144	57.6
30	200110031	2000820100035	Chaitanya Dhiman	Yogendra Kumar	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	250	160	64
31	200110014	2000820100036	Deepak Singh Chauhan	Virendra Singh Chauhan	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	197	78.5
32	200110121	2000820100038	Devyani Goyal	Mukesh Goyal	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	250	191	76.4
33	200110167	2000820100040	Dharmendra Pratap Singh	Dharamveer Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	199	79.3
34	200110221	2000820100041	Dhruv Chauhan	Late Ajay Chauhan	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	180	71.7
35	200110150	2000820100042	Dhruv Raheja	Mr Rakesh Raheja	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	147	58.6
36	200110087	2000820100043	Divi Agarwal	Himanshu Agarwal	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	189	75.3
37	200110107	2000820100044	Divjot Singh Sahi	Satendra Pal Singh Sahi	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	98	39
38	200110211	2000820100045	Divyanshu Gupta	Mr. Vikas Kumar Gupta	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	201	80.1
39	200110222	2000820100046	Divyanshu Yadav	Narendra Kumar Yadav	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	174	69.3
40	200110108	2000820100047	Fiza Zehra	Zeeshan Haider	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	250	89	35.6
41	200110128	2000820100048	Garvita Tyagi	Aruneesh Tyagi	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	250	205	82
42	200110143	2000820100049	Gaurvi Bhardwaj	Mr. Anil Kumar Sharma	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	199	79.3
43	200110084	2000820100050	Gautam Prakash	Ved Prakash	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	146	58.2
44	200110073	2000820100051	Harsh Chauhan	Shishu Chauhan	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	158	63
45	200110066	2000820100052	Harsh Vardhan Singh	Sher Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	117	46.6
46	200110160	2000820100053	Harshit Saxena	Mr. Sunil Kumar Saxena	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	188	74.9
47	200110142	2000820100054	Hemant Ahlawat	Jagesh Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	138	55
48	200110021	2000820100055	Himanshu Maurya	Vimal Kumar	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	188	74.9
49	200140018	2000820100056	Himanshu Singh	Ramvir Singh	DS, KCS 055, KNC 502, KCS 552, KCS 551, KCS 553, KCS 554, KCS	251	145	57.8

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• Session: 2022-2023 • Course: B.Tech • Year: 3rd • Section: A

Attendance between 0 - 100 (%age)

Semester Type: Even

S.No.	Student ID	Roll Number	Name	Father Name	Paper Codes	Total Class	Attended	(%age)
1	200110120	2000820100001	Abhay Bhatnagar	Mr. Pawan Bhatnagar	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	162	59
2	200110152	2000820100002	Abhay Chauhan	Sanjay Kumar	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	152	55
3	200110094	2000820100003	Abhay Pratap Singh	Mr.kuldeep Vittan	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	201	73
4	200110038	2000820100004	Abhijeet	Patras	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	110	40
5	200110169	2000820100005	Abhilash Sharma Paras	Ishwar Sharma	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	178	65
6	200110065	2000820100007	Abhishek Kumar	Vinod Kumar Morya	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	182	66
7	200110104	2000820100008	Aditya Agarwal	Sanjeev Agarwal	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	193	70
8	200110083	2000820100009	Aditya Mudgal	Kailash Chandra Sharma	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	157	57
9	200110118	2000820100010	Aditya Saraswat	Vidya Bhushan Sharma	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	156	57
10	200110139	2000820100011	Aditya Singh	Satvir Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	201	73
11	200110124	2000820100012	Aditya Tyagi	Shashank Tyagi	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	176	64
12	200110032	2000820100013	Akash Sharma	Ravi Kant Sharma	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	153	56
13	200110201	2000820100014	Akshay Kumar	Jaivindar Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	172	63
14	200110024	2000820100016	Akshit Tyaagi	Rajeev Tyagi	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	166	61
15	200110100	2000820100017	Ali Samin Raza	Mohd. Intezar Haider	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	143	52
16	200110212	2000820100018	Aman	Sunil	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	158	58
17	200110080	2000820100019	Aman Ruhela	Naveen Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	143	52
18	200110068	2000820100020	Anant Agarwal	Mr. Pankaj Agarwal	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	206	75
19	200110231	2000820100021	Anmol Choudhary	Mr. Nitu Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	171	62
20	200110110	2000820100022	Annu Singh	Anoj Kumar Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	229	84
21	200110062	2000820100023	Ansh Raj Vardhan	Raj Kishor	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	154	56
22	200110193	2000820100024	Anuj Singh	Ram Vilas	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	183	67

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23	200110076	2000820100025	Anushka Gupta	Pradeep Kumar Gupta	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	208	76
24	200110004	2000820100026	Areeba	Shakeel Ahmad	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	209	76
25	200110209	2000820100028	Aryan Khanna	Raju Khanna	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	274	157	57
26	200110174	2000820100029	Ayush Sharma	Sanjay Kumar Sharma	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	189	68
27	200110008	2000820100031	Ayush Vishnoi	Kapil Kumar Vishnoi	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	187	68
28	200110026	2000820100032	Ayushmaan Singh	Mr. Karan Pal Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	141	51
29	200110106	2000820100034	Bhavya Singh	Vineet Kumar Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	145	53
30	200110031	2000820100035	Chaitanya Dhiman	Yogendra Kumar	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	156	57
31	200110014	2000820100036	Deepak Singh Chauhan	Virendra Singh Chauhan	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	187	68
32	200110121	2000820100038	Devyani Goyal	Mukesh Goyal	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	197	71
33	200110167	2000820100040	Dharmendra Pratap Singh	Dharamveer Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	208	75
34	200110221	2000820100041	Dhruv Chauhan	Late Ajay Chauhan	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	180	65
35	200110150	2000820100042	Dhruv Raheja	Mr Rakesh Raheja	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	155	56
36	200110087	2000820100043	Divi Agarwal	Himanshu Agarwal	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	176	64
37	200110107	2000820100044	Divjot Singh Sahi	Satendra Pal Singh Sahi	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	101	37
38	200110211	2000820100045	Divyanshu Gupta	Mr. Vikas Kumar Gupta	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	191	69
39	200110222	2000820100046	Divyanshu Yadav	Narendra Kumar Yadav	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	173	63
40	200110108	2000820100047	Fiza Zehra	Zeeshan Haider	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	123	45
41	200110128	2000820100048	Garvita Tyagi	Aruneesh Tyagi	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	187	68
42	200110143	2000820100049	Gaurvi Bhardwaj	Mr. Anil Kumar Sharma	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	188	68
43	200110084	2000820100050	Gautam Prakash	Ved Prakash	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	149	54
44	200110073	2000820100051	Harsh Chauhan	Shishu Chauhan	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	160	58
45	200110066	2000820100052	Harsh Vardhan Singh	Sher Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	156	57
46	200110160	2000820100053	Harshit Saxena	Mr. Sunil Kumar Saxena	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	199	72
47	200110142	2000820100054	Hemant Ahlawat	Jagesh Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	143	52
48	200110021	2000820100055	Himanshu Maurya	Vimal Kumar	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	209	76
49	200140018	2000820100056	Himanshu Singh	Ramvir Singh	COE, KOE060, KCS-061, KNC601, KCS601, KCS602, KCS651, KCS652,	276	119	43

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• Session: 2022-2023 • Course: B.Tech • Year: 3rd • Section: A

Attendance between 0 - 74 (%age)

Semester Type: Odd

S.No.	Student ID	Roll Number	Name	Father Name	Total Class	Attended	(%age)
1	200110120	2000820100001	Abhay Bhatnagar	Mr. Pawan Bhatnagar	245	176	72
2	200110152	2000820100002	Abhay Chauhan	Sanjay Kumar	245	150	61
3	200110094	2000820100003	Abhay Pratap Singh	Mr.kuldeep Vittan	245	180	73
4	200110038	2000820100004	Abhijeet	Patras	245	141	58
5	200110169	2000820100005	Abhilash Sharma Paras	Ishwar Sharma	245	175	71
6	200110104	2000820100008	Aditya Agarwal	Sanjeev Agarwal	245	164	67
7	200110083	2000820100009	Aditya Mudgal	Kailash Chandra Sharma	244	138	57
8	200110118	2000820100010	Aditya Saraswat	Vidya Bhushan Sharma	245	177	72
9	200110124	2000820100012	Aditya Tyagi	Shashank Tyagi	245	156	64
10	200110032	2000820100013	Akash Sharma	Ravi Kant Sharma	245	170	69
11	200110201	2000820100014	Akshay Kumar	Jaivindar Singh	245	163	67
12	200110024	2000820100016	Akshit Tyaagi	Rajeev Tyagi	244	155	64
13	200110100	2000820100017	Ali Samin Raza	Mohd. Intezar Haider	245	140	57
14	200110212	2000820100018	Aman	Sunil	244	166	68
15	200110080	2000820100019	Aman Ruhela	Naveen Singh	245	148	60
16	200110231	2000820100021	Anmol Choudhary	Mr. Nitu Singh	245	151	62
17	200110110	2000820100022	Annu Singh	Anoj Kumar Singh	245	168	69
18	200110062	2000820100023	Ansh Raj Vardhan	Raj Kishor	245	148	60
19	200110209	2000820100028	Aryan Khanna	Raju Khanna	244	163	67
20	200110174	2000820100029	Ayush Sharma	Sanjay Kumar Sharma	247	180	73
21	200110026	2000820100032	Ayushmaan Singh	Mr. Karan Pal Singh	251	156	62
22	200110106	2000820100034	Bhavya Singh	Vineet Kumar Singh	250	144	58
23	200110031	2000820100035	Chaitanya Dhiman	Yogendra Kumar	250	160	64
24	200110221	2000820100041	Dhruv Chauhan	Late Ajay Chauhan	251	180	72
25	200110150	2000820100042	Dhruv Raheja	Mr Rakesh Raheja	251	147	59
26	200110107	2000820100044	Divjot Singh Sahi	Satendra Pal Singh Sahi	251	98	39
27	200110222	2000820100046	Divyanshu Yadav	Narendra Kumar Yadav	251	174	69
28	200110108	2000820100047	Fiza Zehra	Zeeshan Haider	250	89	36
29	200110084	2000820100050	Gautam Prakash	Ved Prakash	251	146	58
30	200110073	2000820100051	Harsh Chauhan	Shishu Chauhan	251	158	63
31	200110066	2000820100052	Harsh Vardhan Singh	Sher Singh	251	117	47
32	200110142	2000820100054	Hemant Ahlawat	Jagesh Singh	251	138	55
33	200140018	2000820100056	Himanshu Singh	Ramvir Singh	251	145	58

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In Pursuit of Excellence	**List of Weak Students**	**SESSION: 2022-2023** **SEM: 5th**
		SUBJECT: Web Designing **CODE: KCS-052**

S. No.	Roll No.	Name	Sec
1	2000820100009	Aditya Mudgal	A
2	2000820100034	Bhavya Singh	A
3	2000820100062	Jyoti Saini	B
4	2000820100103	Piyush Gupta	B
5	2000820100139	Tanya Bhatnagar	C
6	2000820100151	Varun Sharma	C
7	2000821530009	Mohd. Ubais	D

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In Pursuit of Excellence	**List of Bright Students**	**SESSION: 2022-2023** **SEM: 5th**
		SUBJECT: Web Designing **CODE: KCS-052**

S. No.	Roll No.	Name	Sec
1	2000820100025	Anushka Gupta	A
2	2000820100038	Devyani Goyal	A
3	2000820100048	Garvita Tyagi	A
4	2000820100074	Mohak Singh Rajput	B
5	2000820100098	Om Bajpai	B
6	2000820100150	Vanshita Chauhan	C
7	2000820100152	Vibhor Kumar Vatsa	C
8	2100820109001	Aditya Chauhan	C
9	2000821530001	Ajhar Ali	D
10	2000821530008	Jay Dev Dixit	D

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Web Designing (KCS052) Practice Question for Weak Students

Session (2022-23)

Q.No	Questions	CO Level
1.	What is Internet?	CO1
2.	Define WWW.	CO1
3.	What is open source software?	CO1
4.	Define URL.	CO1
5.	Recall the parts of URL.	CO1
6.	Show the history of web.	CO1
7.	Infer the anatomy of a web page.	CO2
8.	Illustrate HTML elements.	CO2
9.	Summarize semantic markup.	CO2
10.	Compare and contrast block and inline elements.	CO2
11.	Identify the attributes of <img> tag.	CO3
12.	Organize the types of lists.	CO3
13.	Decide whether each of these forms should be sent via the GET or POST method: A form for accessing your bank account online _____ A form for collecting long essay entries _____	CO3
14.	Distinguish between intranets and extranets.	CO4
15.	How would you mark up this comment in an HTML document so that it doesn't display in the browser window? product list begins here	CO4
16.	Why is it necessary to include alternative text? Name two reasons.	CO4
17.	Compare tag and element.	CO5
18.	Compare Absolute URL and Relative URL.	CO5
19.	Write out the recommended minimal structure of an HTML5 document.	CO5
20.	All of the following markup examples are incorrect. Describe what is wrong with each one, and then write it correctly. <i>Congratulations!<i> <p>This is a new paragraph<\p>	CO5

Web Designing (KCS-052) Practice Question for Bright Students

Session (2022-23)

Q.No	Questions	CO Level
1.	Define CSS.	CO1
2.	List the benefits of CSS.	CO1
3.	How style sheets work?	CO1
4.	Recall the style sheet hierarchy.	CO1
5.	List the generic font family types.	CO1
6.	Define descendant selectors.	CO1
7.	Illustrate the parts of element box according to CSS box model.	CO2
8.	Write a note on normal flow.	CO2
9.	Summarize the types of positioning.	CO2
10.	Infer about z-index property.	CO2
11.	Identify the page layout approaches.	CO3
12.	Identify the pros and cons of fixed layout.	CO3
13.	Experiment with CSS transition property.	CO3
14.	Analyze the element types to which transform property can be applied.	CO4
15.	Discover JavaScript.	CO4
16.	Examine the rules for variable naming.	CO4
17.	Evaluate the window object properties and methods.	CO5
18.	Assess the common event handlers.	CO5
19.	Construct DOM tree for the following code, <html> <head> <title>Document title</title> <meta charset="utf-8"> </head> <body> Subhead Paragraph text with a link here. More text here. </body> </html>	CO5
20.	Compose about AJAX.	CO5

In Pursuit of Excellence	**ASSIGNMENT - 3**	SESSION-2022-2023 SEM- 3rd **Subject:** Data Structure **Code:** KCS301 **Dept. /Sec:** CSE/A and B

(CO3)

1. Differentiate between Iteration and Recursion.
2. Explain Recursion and Tail Recursion.
3. Write a recursive function that takes a number and returns the sum of all the numbers from zero to that number.
4. Write a recursive function that takes a number 'n' and returns the nth number of the Fibonacci number.
5. Write a recursive function that takes an array of numbers as an input and returns the product of all the numbers in the array.
6. Write a function that takes a string and returns if the string is a palindrome.
7. Write a recursive function that takes a string as input and reverse the string.
8. Write a C program for calculating factorial of any given integer using recursion.
9. Write a C program for calculating factorial of any given integer using Tail recursion.
10. Explain Tower of Hanoi Problem. Write a C function to implement tower of Hanoi problem for 4 disks using recursion.

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In Pursuit of Excellence	**TUTORIAL-7**	SESSION-2022-2023 SEM- 3rd **Subject:** Data Structure **Code:** KCS301 **Dept. /Sec:** CSE/A and B

S. No.	No. of Periods	Topics/Sub Topics
1.	1	Sorting, Hashing

1. Sort the following elements using radix sort method. 251, 762, 528, 510, 715, 211, 348, 521
2. Sort the following elements using merge sort method. 251, 762, 528, 510, 715, 211, 348, 521
3. Given the values {2341, 4234, 2839, 430, 22, 397, 3920}, a hash table of size 7, and hash function, h(x) = x mod 7, show the resulting tables after inserting the values in the given order with each of these collision strategies.
   {2341, 4234, 2839, 430, 22, 397, 3920}

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Polynomials (Notes)

Linked Lists are widely used to represent and manipulate polynomials. Polynomials are the expressions containing number of terms with non-zero coefficients and exponents

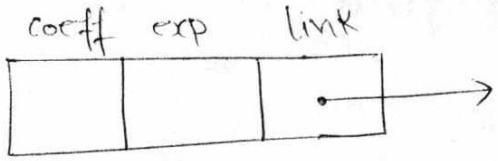
e.g.

$$P(x) = a_n x_n^{e_n} + a_{n-1} x_{n-1}^{e_{n-1}} + \cdots a_1 x_1^{e_1} + a_0$$

where, e_i is an exponent
a_i is a non-zero coefficients

In the linked representation of polynomials, each term is considered as node. And each node contain 3 fields

① → coefficient field.
② → exponent field.
③ → link field.



⇒ logical representation of the node is

```
struct pnode
    {
        int coeff;
        int exp
        pnode *next;
    } P;
```

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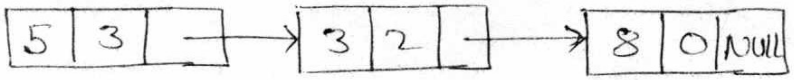
ex :→

$5x^3 + 3x^2 + 8$



Addition of two polynomials represented using Singly Linked list

Algorithm

① → Let P & Q be two polynomials to be added.
Let Z be third polynomial in which the result of addition is to be stored.

② → Let P1 & P2 are temporary pointers used to traverse first(P) & second(Q) polynomials respectively.

③ → while ((P1 != NULL) && (P2 != NULL))
compare the exponents of two polynomials starting from the first node.

3(a) → if (P1 → exp == P2 → exp) then,

(i) → add the coefficients & store it in the resultant linked list.

(ii) → (Move both P1 & P2 to next node)
P1 = P1 → next
P2 = P2 → next

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3(b) → if (p1→exp < p2→exp) then

(ii) → add the node pointed by p2 to the resultant list z.

(iii) → Move p2 to next node
(p2 = p2→next).

3(c) → if (p1→exp > p2→exp) then

(i) → add the node pointed by p1 to the resultant list z.

(ii) → Move p1 to next node
(p1 = p1→next).

(4) → Append the remaining nodes of first & second polynomials to the resultant list.

(5) → return.

ex → (1) → $p = 10x^7 + 9x^5 + 3x^4 + 2x^2 + 7$
$q = 4x^6 + 3x^5 + 2$

steps

(i) → $z = 10x^7$

(ii) → $z = 10x^7 + 4x^6$

(iii) → $z = 10x^7 + 4x^6 + 12x^5$

(iv) → $z = 10x^7 + 4x^6 + 12x^5 + 3x^4$

(v) → $z = 10x^7 + 4x^6 + 12x^5 + 3x^4 + 2x^2$

(vi) → $z = 10x^7 + 4x^6 + 12x^5 + 3x^4 + 2x^2 + 7$

ex (2) →

$p = 10x^7 + 9x^5 + 3x^4 + 2x^2 + 7$

$q = 4x^6 + 3x^5$

Steps

(i) → $z = 10x^7$

(ii) → $z = 10x^7 + 4x^6$

(iii) → $z = 10x^7 + 4x^6 + 12x^5$

$z = 10x^7 + 4x^6 + 12x^5$

Now, when p1 & p2 move to next node p2 = NULL

∴ while condition becomes false.

Hence, w.r.t. (4) steps of algo. we add remaining nodes of polynomial p

∴ (iv) → $z = 10x^7 + 4x^6 + 12x^5 + 3x^4 + 2x^2 + 7$

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Generalized Lists

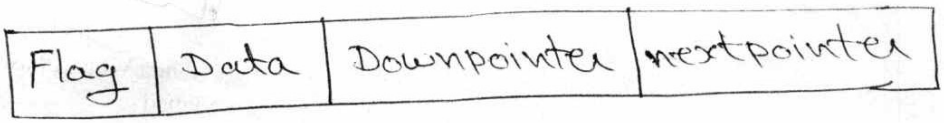
A generalized list, A, is a finite sequence of $n \geq 0$ elements,

$$A = \alpha_0, \alpha_1, \ldots \alpha_{n-1}$$

where, α_i is either an atom or a list.

The elements α_i, $(0 \leq i \leq n-1)$ that are not atoms are said to be the sublists of A.

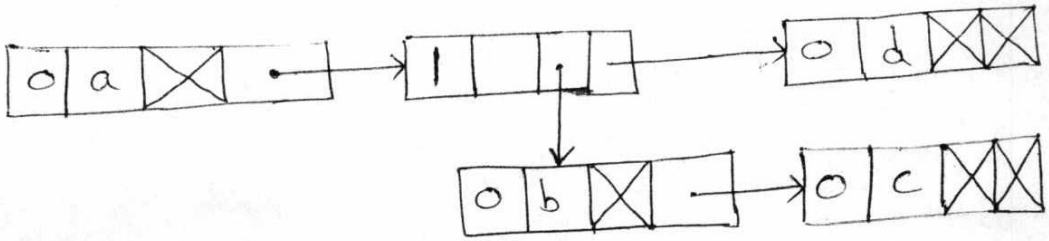
Now, to represent such a list we will have foll. node structure.



if Flag = 1 means down pointer exists
Flag = 0 means ~~down~~ pointer do not exist.

example of GLL

① → (a, (b, c), d)



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Compaction

The process of moving all used (marked) nodes to one end of memory and all the available memory to the other end is called compaction, and an algorithm that performs such a process is called a compaction algorithm.

Compaction is required because, memory is often required in blocks (groups of contiguous nodes) rather than as single discrete nodes one at a time.

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Generalized Lists

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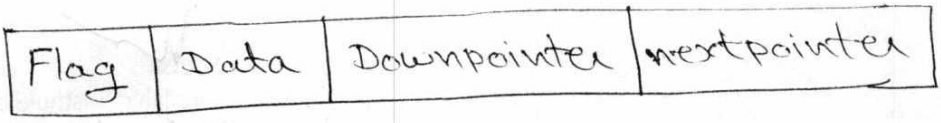

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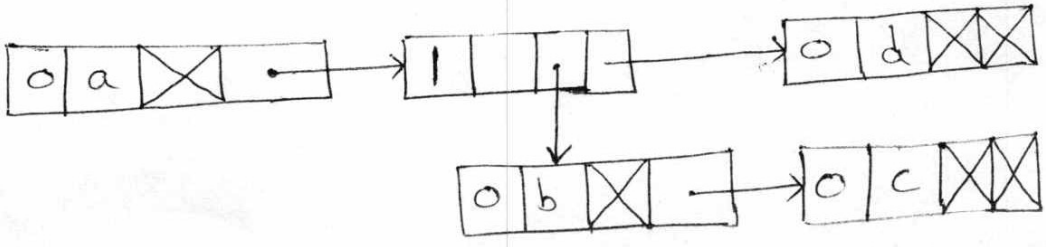

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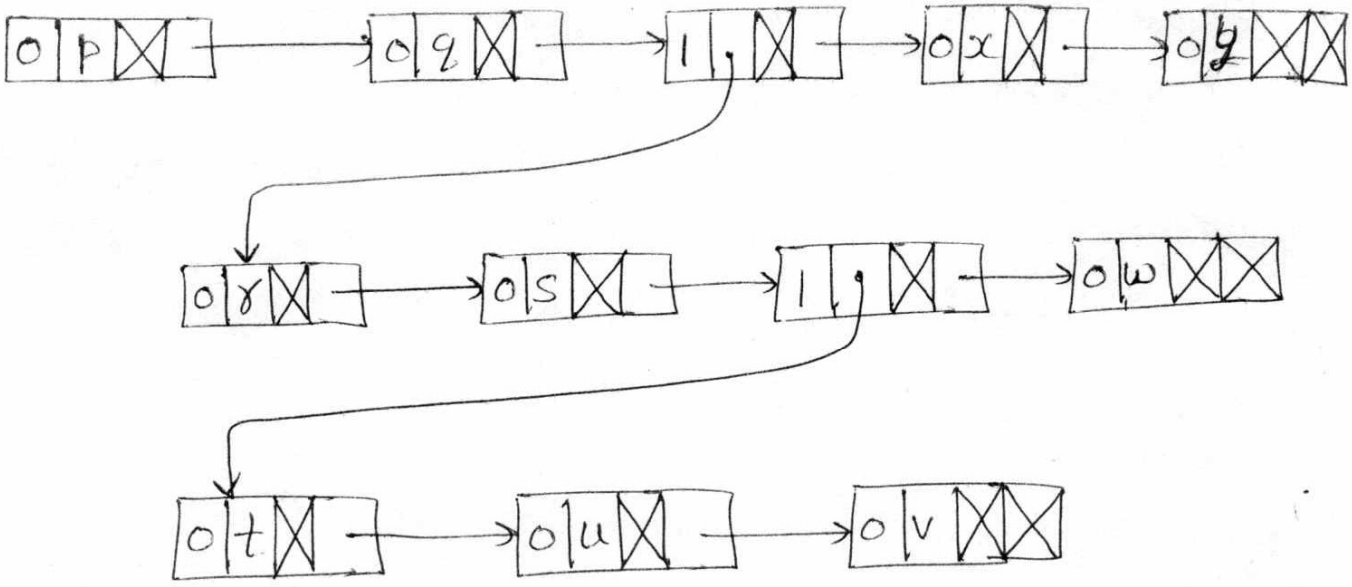
(2) → (p, q, (r, s, (t, u, v), w), x, y)



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GLL are also used to represent polynomials

$$P(x,y,z) = x^{10}y^3z^2 + 2x^8y^3z^2 + 3x^8y^2z^2 + x^4y^4z + 6x^3y^4z + 2yz$$

If we used linear lists, then a node is of the form

coef	expx	expy	expz	link

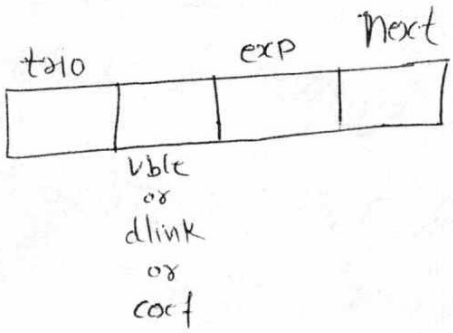
These nodes would have to vary in size depending on the no. of variables, causing difficulties in storage management.

The idea of using a general list structure with nodes of fixed size arises naturally if we consider rewriting $P(x,y,z)$ as

$$\left(\left(x^{10}+2x^8\right)y^3 + 3x^8y^2\right)z^2 + \left(\left(x^4+6x^3\right)y^4 + 2y\right)z$$

Every polynomial can be written in this fashion.

→ Structure of node is



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logical structure of node

```
enum triple{var, ptr, no};
Struct Pnode
    {
        int exp;
        triple trio;
        union p
            {
                char uble;
                Pnode *dlink;
                int coef;
            };
    };
```

In this representation, there are 3 types of nodes, depending on the value of trio.

→ If trio == var, then the node is the head node for a list; in this case, the field uble is used to indicate the name of the variable on which that list is based and exp field is set to 0.

→ If trio == ptr, then the coefficient is itself a list and is pointed by the field dlink.

→ If trio == no, then the coefficient is an integer and is stored in the field coef.

In both above cases, exp represents the exponent of the variable on which that list is based.

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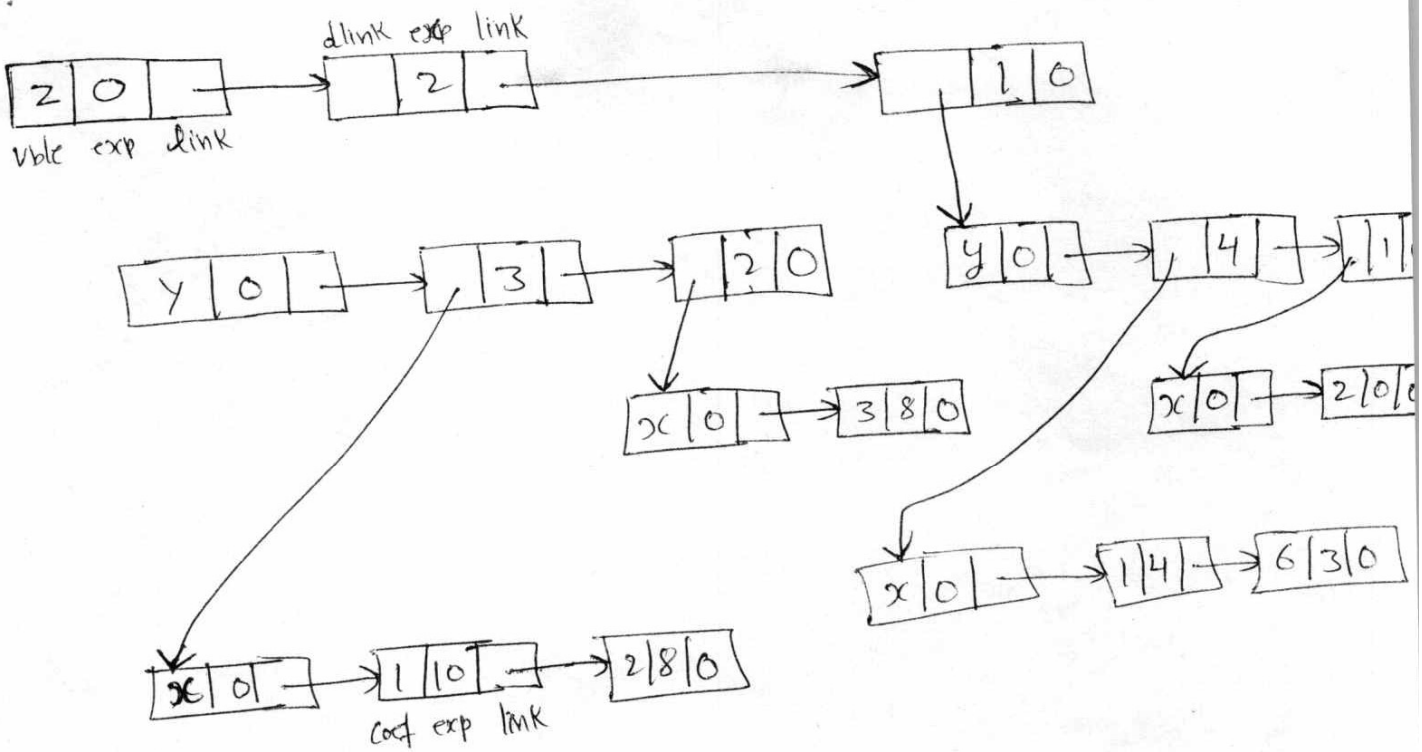

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Garbage collection and Compaction

Garbage collection

→ Garbage collection is a method of detecting & reclaiming free nodes.

→ A Garbage collector is a system routine used for garbage collection.

→ When a request is made for additional nodes and there are none available, then system call garbage collector routine.

Garbage collection is done in two phases :-

① → Marking phase :- It involves marking all nodes that are accessible from an external pointer.

② → Collection phase :- It involves proceeding sequentially through memory and freeing all nodes that are not been marked.

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