

Course: Introduction to Programming in C

Course Code: noc19-cs42

Session: 2019-20

Duration: 8 Weeks

Assessment procedures: Weekly Assignment (25%) + proctored certification Exam (75%)

Curriculum of the Course:

Week 1 :

- Intro - Process of programming
- Intro - Programming cycle
- Intro - GCD
- Intro - Tracing a simple program
- Intro - Variables
- Intro - Operators

Week 2: Loops

- Loops - While
- Loops - While example
- Loops - While GCD example
- Loops - Longest 1
- Loops - Longest 2
- Loops - Longest 3
- Loops - Do-while
- Loops - Matrix using nested loops
- Loops - For
- Loops - Matrix using nested for loops
- Loops - Break statement
- Loops - Continue statement
- Loops - Continue statement example

Week 3: Functions

- Functions - Introduction
- Functions - How functions are executed
- Functions - Examples - 1
- Functions - Examples – 2

Week 4: One-Dimensional Arrays and Pointers

- Arrays in C
- Initializing arrays
- Initializing character arrays
- Pointers in C

- Function with pointer arguments
- Programming using arrays and pointers

Week 5: Recursion

- Recursion - Linear Recursion
- Recursion - Linear Recursion – 2
- Recursion - Two-way Recursion

Week 6: Multi-dimensional Arrays, Linked Lists.

- Multidimensional Arrays
- Multidimensional Arrays and Pointer

Week 7: Operating on Files

- File Handling
- Some other file-handling functions

Week 8: Organizing C projects, working with multiple source directories, makefiles.

- Organizing code into multiple files - 1
- Doubly Linked Lists - introduction
- Pre and post increment operators

List of enrolled students

1	Ritika Agarwal
2	Yameen Khan Pathan
3	Aditya Mishra
4	Aayush Sharma
5	Abhinav Sharma
6	Aditi Sharma
7	Akshat Nama
8	Akshita Suthar
9	Aman Chaturvedi
10	Amisha Aggarwal
11	Ankit Pareek
12	Ankit Saini
13	Anshul Sharma
14	Anshuman Yadav
15	Apoorva
16	Arnav Rajoria
17	Arpit Pachori
18	Arya Sharma
19	Aryan
20	Ashish Meena
21	Ashish Kumar Ojha
22	Astha Khandelwal
23	Ayush Jhanwar

24	Ayush Garg
25	Bhavika Samdani
26	Bhupeshwar Pal Singh Chandawat
27	Deepika Kerwal
28	Dhruv Mangal
29	Disha Nagori
30	Divya Sharma
31	Garv Kumar Mr
32	Ajay Sharma
33	Harshit Gautam
34	Harshit Gupta
35	Harsh Khandelwal
36	Krity Jain
37	Himani Devi
38	Hitesh Thadani
39	Ishita Vaid
40	Jahanvi Rathi
41	Jahnavi Sachdeva
42	Vikas Jain
43	Virendra Singh Rathore
44	Jeetu Saini
45	Akshay Jindal
46	Kamal Singh

47	Harsh Kanojia
48	Karan Sharma
49	Keshav Kumar Sharma
50	Kaushal Kumar
51	Khushal Sharma
52	Khushboo Rathore
53	Kiran Solanki
54	Kriti Kothari
55	Kshitij Kumawat
56	Mudit Kukreti
57	Mahendra Jangid
58	Ravi Malvia
59	Mayank Dhaka
60	Chirag Jain
61	Muskan Khandelwal
62	Mohit Gupta
63	Monalisa
64	Mudit Maheshwari
65	Naman Kumar Jain
66	Naman Kumar Sain
67	Nikhil Vaswani
68	Nilesh Dadheech
69	Nisha Jain
70	Sharad Kumar Pareek
71	Parth Bhandari
72	Pramod Meena
73	Prateek Baheti
74	Pratik Mangla
75	Rahul Kumar Lovewanshi
76	Rajat Swami
77	Rajneesh
78	Parikshit Rathore
79	Ravi Gupta
80	Rishita Maroo
81	Riya Agarwal

82	Rajkumar
83	Rounak Mathur
84	Ruchi Jaiswal
85	Ruchi Kumari
86	Acchint Kaur
87	Saijal Gulyani
88	Seenu Mangal
89	Yogendra Singh Naruka
90	Deepak Sharma
91	Pankaj Sharma
92	Sangeeta Sharma
93	Sumedha Sharma
94	Shashank Jindal
95	Himanshu Shekhar
96	Shreya Singh Parihar
97	Shreyansh Jain
98	Shruti Agarwal
99	Shubham Agarwal Jain
100	Shubham Jaiman
101	Shubha Sharma
102	Simran Koolwal
103	Chatrapal Singh Shaktawat
104	Sabhyata Agarwal
105	Srishti Naruka
106	Swarali Sharma
107	Tanya Agrawal
108	Iqjot Valecha
109	Vibhu Mathur
110	Vidushi Pareek
111	Vikash Saini
112	Vikas Kumar Tank
113	Vinay Sharma
114	Priyanka Jain
115	Ankit Vyas
116	Parikshit Sharma