

Course: Introduction to Programming in C

Course Code: noc18-cs33

Session: 2018-19

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	Girish Karwasara
2	Ayushi Chauhan
3	Aastha Gupta
4	Astha Sharma
5	Aayush Sharma
6	Abel David Solomon
7	Abhay Jain
8	Abhijeet Sharma
9	Abhishek Tyagi
10	Shreyansh Agarwal
11	Deepanshu Agrawal
12	Raghav Agrawal
13	Priyansh Ajmera
14	Ankit Dharendra
15	Ankit Kumar
16	Akshat Jain
17	Akshat Malsaria
18	Akshita Suthar
19	Aman Baheti
20	Anand Samantnani
21	Ananya Bisht
22	Sumitra Jhanwar
23	Ankit Dharendra

24	Anshul Simlote
25	Anubhav Jain
26	Anuja Dadheech
27	Anukriti Garg
28	Archita Vijay
29	Arihant Jain
30	Arpit Gupta
31	Arya Sharma
32	Aryan Bhargava
33	Aryan
34	Aryan Sharma
35	Ashita Gupta
36	Astha Khandelwal
37	Atul Sharma
38	Avish Dhirawat
39	Ayush Agarwal
40	Anchal Jain
41	Narendra Bhandari
42	Bhupesh Aggarwal
43	Prince Jain
44	Chahat Bhatia
45	Chetan Tiwari
46	Chirag Misra

47	Himanshu Koley
48	Vaibhav Amarnani
49	Deepanshi Gupta
50	Deeya Gupta
51	Deepank Jain
52	Devendra Sharma
53	Dhirendra Singh Chouhan
54	Dhruva Chhipa
55	Dhruv Mangal
56	Dikshita Samdani
57	Dishi Bhatt
58	Divy Jain
59	Anushka Mukherjee
60	Divya Sharma
61	Saksham Sharma
62	Jay Patel
63	Jeet Patel
64	Pulkit Garhwal
65	Garima Goyal
66	Gaurav Sharma
67	Ishan Goyal
68	Ajay Sharma
69	Gaurav Vaishnav
70	Anish Gupta
71	Harshita Mathur
72	Harsh Agrawal
73	Harshit Jain
74	Harshul Gupta
75	Himanshu Somani
76	Md Imran
77	Siddhesh Dosi
78	Ishank Gupta
79	Ankit Saini
80	Jaikishan Didwania
81	Neeraj Jain
82	Vikas Jain
83	Lokendra Singh Khangarot
84	Akshay Jindal
85	Ankit Agrawal
86	Kajal Sharma
87	Kanishk Pratap Singh Rajawat
88	Kaustubh Sharma
89	Kavish Gupta
90	Kavya Prasannan
91	Keshav Bhandari

92	Khushi Goyal
93	Yash Khandelwal
94	Khushi Mittal
95	Khushi Jain
96	Anirudh Koolwal
97	Krishnesh Khalora
98	Trinzya Gupta
99	Vidhi Kulshrestha
100	Mayank
101	Mayank Kumar Mishra
102	Mohit Batra
103	Mohit Maheshwari
104	Mehul Sharma
105	Ashish Kumar Sharma
106	Muskaan Joshi
107	Nidhi Khandelwal
108	Nikhil Khandelwal
109	Nilanshi Mittal
110	Nitesh Garg
111	Namit Patni
112	Palak Wadhwa
113	Paras Jain
114	Parmanand Saraswat
115	Piyush Saraf
116	Piyush Sharma
117	Pragati Jain
118	Prachi
119	Pradeep Yadav
120	Pragya Kumari
121	Prajwal Sharma
122	Prakhar Manak Bohara
123	Prashant Singh Charan
124	Prateek Agrawal
125	Pratik Prakash
126	Pratyush Khandelwal
127	Pragya Khandal
128	Priya Gocher
129	Priyansh Gupta
130	Priyanshi Suwalka
131	Pulkit Verma
132	Puneet Sharma
133	Punit Jain
134	Pushpank Harplani
135	Radhika Choudhary
136	Raghav Paliwal
137	Rahul Sharma

138	Rahul Sharma
139	Rahul Singh
140	Rajat Balotia
141	Rajesh Sohu
142	Rajneesh
143	Saurav Ranjan
144	Rishabh Khandelwal
145	Ritik Agarwal
146	Joshi Ritwick
147	Rounak Nuwal
148	Rohit Agarwal
149	Rohit Jain
150	Rohit Kucheria
151	Rohit Kumar Agrawal
152	Ritesh Porwal
153	Saloni Mathur
154	Himanshu Sharma
155	Kaushal Saraswat
156	Archit Sharma
157	Satyam
158	Saurabh Yadav
159	Shivam Sharma
160	Shubham Sharma
161	Shashank Jindal
162	Shivam
163	Shivani Kumawat
164	Shorya Upadhayay
165	Shreya Singh Parihar
166	Shreyansh Goswami
167	Shubham Gupta
168	Shubha Sharma
169	Siddharth Gupta

170	Simran Koolwal
171	Kritika Singhal
172	Jeevan Deep Singh
173	Singh Pournima Yogendra
174	Soumya Kharwas
175	V. Subhashini
176	Suhani Maheshwari
177	Surbhi Nair
178	Sushobhit Nigam
179	Swati Pancholi
180	Pramod Kakloriya
181	Rahul Tak
182	Tanya Agrawal
183	Tarunn Bishnoi
184	Tarun Tamboli
185	Ansh Pancholi
186	Tushar Verma
187	Unnati
188	Vaibhav Sharma
189	Vaibhav Gehani
190	Umang Vanawat
191	Vanshdeep Singh Rathore
192	Vinay Sharma
193	Vinit Swami
194	Vishnu Jangid
195	Vishal Kumar Soni
196	Vaibhav Jain
197	Yash Vardhan Sharma
198	Yati Shekhawat
199	Chetan Jain
200	Zehra Khan