

Course: C

Course Code:

Session: 2018-19

Duration: 16 Weeks

Assessment procedures: No assessment required

Curriculum of the Course:

1. First C Program

Foss : C and Cpp - English

Outline: 1) First C Program -Header Files --example: #include <stdio.h> -main() -Curly braces -printf() -semicolon ; -Compiling a C program --example: gcc file..

2. First Cpp Program

Foss : C and Cpp - English

Outline: First C++ Program -Header files --example: #include <iostream> -main() -Curly braces -cout<< -semicolon ; -Compiling a C++ program --example: g++ file..

3. Tokens

Foss : C and Cpp - English

Outline: 3) Tokens in C and C++ -Data types, constants, identifiers -Keywords --example: if, break, else -Constants -Data types --example: int, float, char, double -F..

4. Functions

Foss : C and Cpp - English

Outline: Functions -What is a function -Syntax for declaration of a function -Function with arguments --example: return-type function-name(parameter); -Function without ar..

5. Scope of Variables

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Outline: Scope of Variables -Introduction -Syntax of declaring a variable --example: data-type var-name; -Syntax for initializing a variable --example: data-type var-name =..

6. If And Else If statement

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Outline: Check the conditions in a program -What are Statements. -Syntax for if and -If-else Statement -Errors

7. Nested If and Switch Statement

Foss : C and Cpp - English

Outline: Nested if and switch statement -Nested if statement. -Switch statement. -Syntax for nested-if statement -Syntax for switch statement -break statement -Compariso..

8. Increment and Decrement Operators

Foss : C and Cpp - English

Outline: Increment and Decrement Operators -Increment Operator --example: ++ -Postfix increment --example: a++ -Prefix increment --example: ++a -Decrement Operator ..

9. Arithmetic Operators

Foss : C and Cpp - English

Outline: Arithmetic Operators -Arithmetic Operators -Addition Operator --example: a + b - Subtraction Operator --example: a - b -Multiplication Operator --example: a *..

10.Relational Operators

Foss : C and Cpp - English

Outline: Relational Operators -Double Equal to --example: a == b -Not Equal to --example: a != b -Greater Than --example: a > b -Less Than --example: a < b -Gr..

11.Logical Operators

Foss : C and Cpp - English

Outline: Logical Operators -And && -Or || -Not !

12.Loops

Foss : C and Cpp - English

Outline: Loops -Loops -Syntax for while and do-while loop -Comparison of while and do-while loop -Syntax for -for loop -Errors

13.Arrays

Foss : C and Cpp - English

Outline: Arrays -What are arrays -1-D Arrays -Syntax for Declaration of arrays --example: data type array_name [size]; -Syntax for Initialization of arrays --example: da..

14.Working With 2D Arrays

Foss : C and Cpp - English

Outline: Working with 2-D Arrays -What are 2-D Arrays. -Range of arrays -Syntax for Declaration of 2-D arrays --example: data type array_name[row][column]; -Syntax for init..

15.Strings

Foss : C and Cpp - English

Outline: Strings -What is a string -Syntax for declaring a string -Syntax for initializing a string -To read a string from keyboard

16.String Library Functions

Foss : C and Cpp - English

Outline: String Library Functions What are string library functions. Types of string library functions -Strcpy -Strlen -Strcmp -Strcat

17.Working With Structures

Foss : C and Cpp - English

Outline: Working with Structures -Introduction -Syntax of structures -Declaration and initialization -Declaration of structure variable -Accessing structure variables

18.Understanding Pointers

Foss : C and Cpp - English

Outline: Understanding Pointers -Introduction -Syntax of Pointer --example: int *iptr; -Declaration --example: int a; (integer a) int *aptr; (pointer to an integer..

19.Function Call

Foss : C and Cpp - English

Outline: Function call -types of function calls -function pass by value -function pass by reference

20.File Handling In C

Foss : C and Cpp - English

Outline: Files in C -File handling functions -Opening a File closing a file --example: fopen, fclose -Reading data from a File

List of Student Enrolled

#	First Name	Last Name
1	Akanksha	Agarwal
2	Anshul	Kumar Garg
3	Aviral	Agarwal
4	Bhavya	Kantiwal
5	Shubham	Gupta
6	Siddharth	Rawat
7	Krishan	Veer Singh Chauhan
8	Jayesh	Nagar
9	Pradeep	Pandey
10	Raksha	Choudhary
11	Sita Ram	Choudhary
12	Yash	Goyal
13	Aditya	Kabra
14	Abhishek	Olkha
15	Abhishek	Tyagi
16	Akshita	Suthar
17	Anand	Samantnani
18	Deependra	Nama
19	Jeetendra	Kumar
20	Jeevan	Singh
21	Prakhar	Manak Bohara
22	Rajneesh	Rajneesh
23	Shailesh	Goyal
24	Shivani	Kumawat
25	Tanishque	Jain
26	Aman	Baheti
27	Archit	Gupta
28	Priyanshi	Suwalka
29	Aditya	Choudhary
30	Akshat	Gupta
31	Akshit	Saxena
32	Ananya	Bisht
33	Ananya	Tiwari
34	Aniket	Rathi
35	Anjali	Jain
36	Anjali	Parik
37	Anju	Choudhary
38	Ansh	Garg
39	Aparna	Maleti
40	Arpit	Agarwal
41	Ashvin	Khandelwal
42	Avi	Vanawat
43	Ayush	Parasrampur
44	Bharat	Singh
45	Bhunes	Kumar

46	Brij	Bhushan
47	Charu	Shukla
48	Chatrapal	Shaktawat
49	Cherrisha	Sharma
50	Chinmay	Sharma
51	Deepa	Kumari
52	Dikshita	Samdani
53	Gargi	Sharma
54	Harsh	Khandelwal
55	Himanshu	Bairwa
56	Ishan	Rajvanshi
57	Jatin	Bhandari
58	Jayesh	Mehta
59	Kartik	Mathur
60	Kashish	Sharma
61	Kinjalk	Sharma
62	Koustoobh	Pareek
63	Mahipal	Chauhan
64	Manju	Choudhary
65	Manvendra	Shekhawat
66	Manvi	Asija
67	Mayank	Jain
68	Mayank	Shrimali
69	Monalisa	Parmar
70	Naman	Mishra
71	Nikita	Modi
72	Padmakshi	Jain
73	Parul	Sinha
74	Poorvi	Jain
75	Pratik	Prakash
76	Priyanka	Jain
77	Puneet	Mathur
78	Quasim	Qureshi
79	Rahul	Mangal
80	Rajat	Mehndiratta
81	Rajkumar	Verma
82	Riya	Soni
83	Devang	Agrawal
84	Rohit	Shekhawat
85	Sandeep	Rawat
86	Sanket	Sharma
87	Saransh	Sharma
88	Saurav	Ranjan
89	Shilpi	Mittal
90	Shivani	Priyadarshani
91	Shreyash	Shreyash

92	Simran	Arora
93	Srashti	Sharma
94	Subhash	Nagar
95	Surbhi	Sen
96	Tanisha	Gupta
97	Tanmay	Nayyar
98	Tarun	Awasthi
99	Ujjawal	Matolia
100	Vishakha	Agarwal
101	Vishal	Soni
102	Yash	Kumar
103	Saurabh	Sharma
104	Zehra	Khan
105	Akshay	Sharma
106	Aman	Sharma
107	Aniket	Chaturvedi
108	Ankit	Pareek
109	Anukriti	Garg
110	Ashutosh	Jeengar
111	Bhanupratap	Rathore
112	Chirag	Jain
113	Deepika	Kerwal
114	Devendra	Aggarwal
115	Harshit	Singhal
116	Jitisha	Gupta
117	Kanak	Agrawal
118	Keshav	Hinger
119	Manish	Saini

120	Neha	Verma
121	Prerna	Verma
122	Priyansh	Dadheech
123	Rishika	Jain
124	Ritik	Kala
125	Ritik	Sharma
126	Ritu	Singh
127	Rupam	Garg
128	Sushant	Kumar
129	Vaibhav	Chouhan
130	Mihir	Jain
131	Neeraj	Jain
132	Roopal	Yadav
133	Kavyani	Jain
134	Padmakshi	Jain
135	Anjali	Parik
136	Kanak	Agrawal
137	Mansi	Kumawat
138	Sarthak	Arora
139	Saksham	Agrawal
140	Sabhyata	Agarwal
141	Gorakh	Gupta
142	Praveen	Kumar
143	Abhishek	Dusad
144	Antima	Agarwal
145	Lokendra	Tanwar
146	Naman	Bachlas