

KAKATIYA GOVERNMENT COLLEGE

HANUMAKONDA, DIST. HANUMAKONDA.

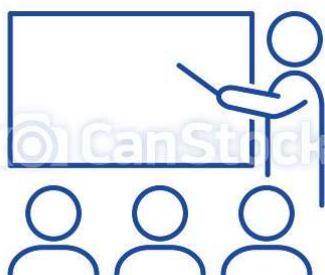
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DETAILS OF STUDENT SEMINARS OF II,IV & VI SEMESTER

FOR

THE YEAR 2021-22



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS



KAKATIYA GOVERNMENT COLLEGE

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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Consolidate details of student seminars of II-IV-VI Semesters
for the Academic year 2021-22

S.No	Date	Group	Student Name	Topic	Lecturer Name
1.	19-04-2022	B.Com(CA) IIIYr – VI Sem	Ch. Sujith	Cyber Security	K. Sravana Kumari
2.	24-05-2022	BSC(MPCs) IIIYr – VI Sem	N. Sudheer	List	D. Rajkumar
3.	01-06-2022	BSC(MStCs) IYr -IISem	B. Kalyani	Constructors in C++	V. Ramesh
4.	06-06-2022	BSC(MCCs) IYr - IISem	A. Tharun	Operators in C++	Y. Amulya

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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Student Seminar

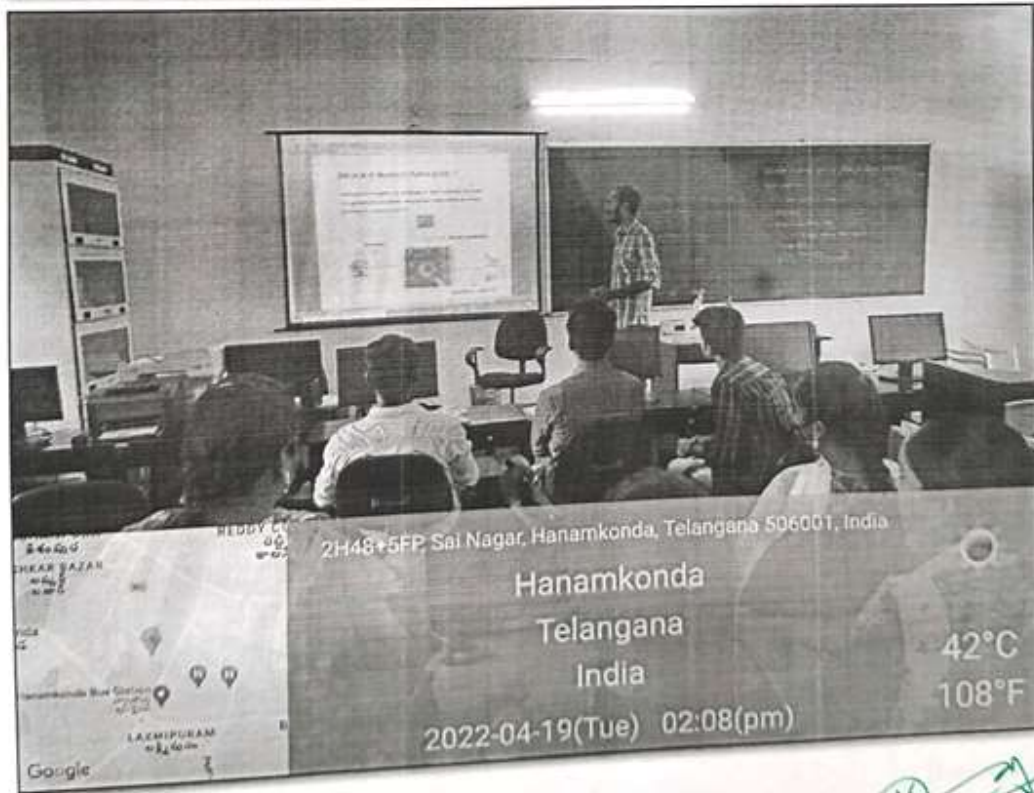
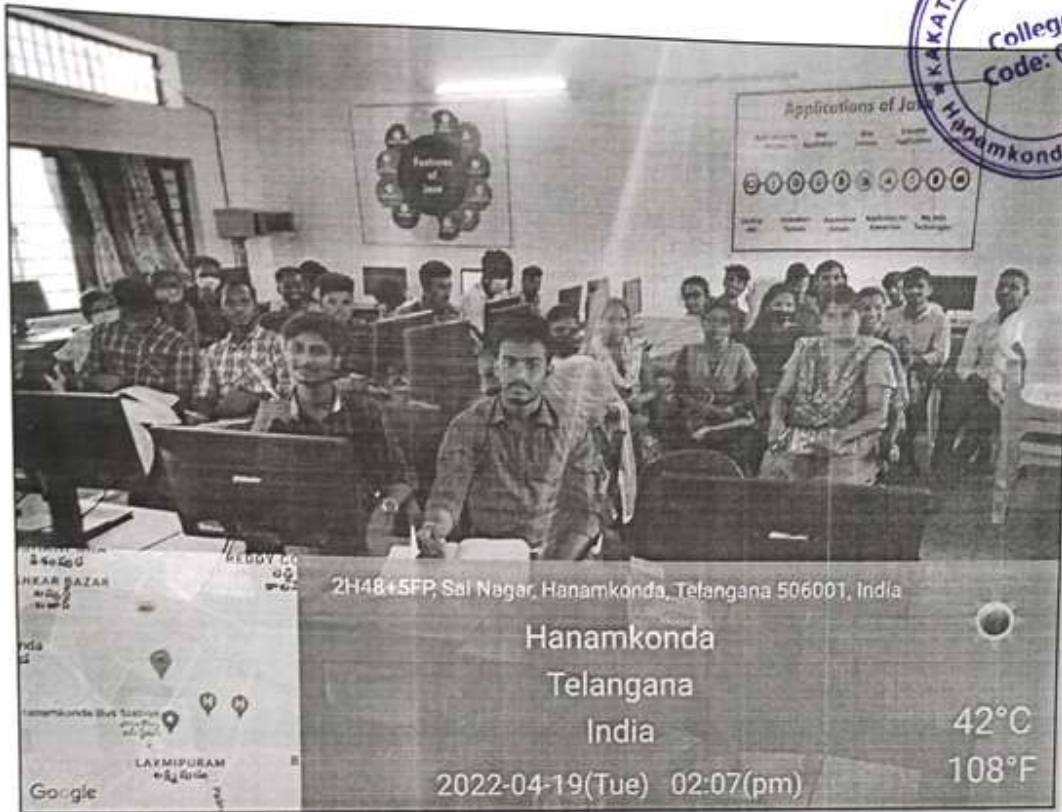
Student Name : ch. Sujith
Group & Year : B.com (CA) III year
Topic : Cyber security
Student Signature: *ch. Sujith*

Date: 19-04-2022

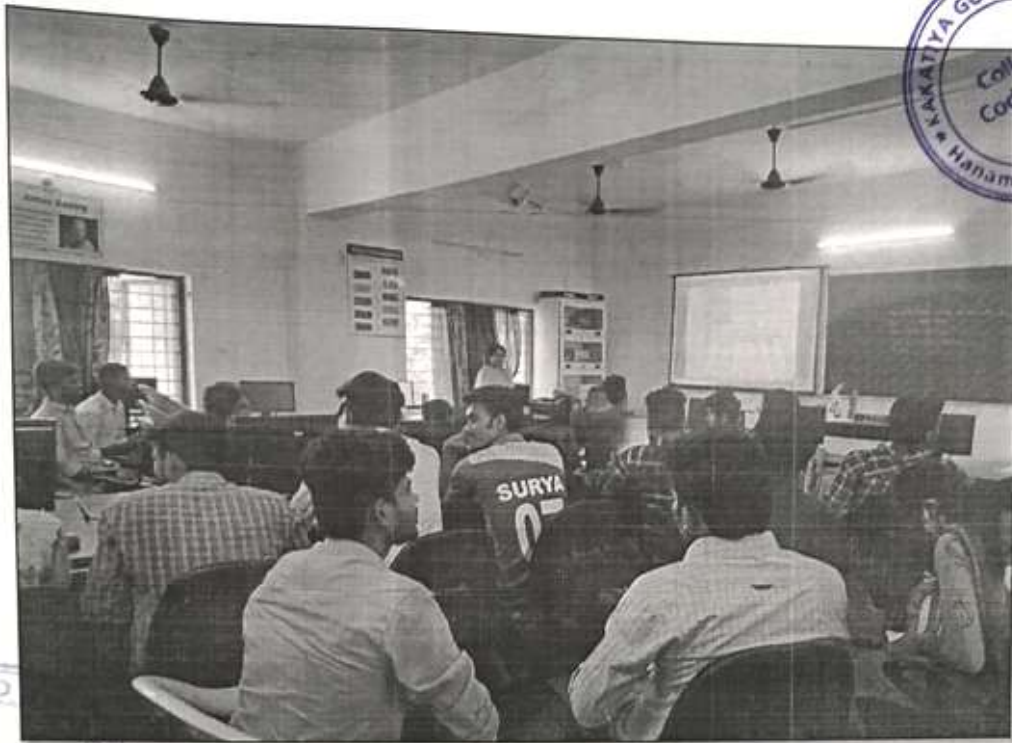
Deep
Signature of the Lecturer



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Attendance of Participation Students Details

S.No.	HT.No.	Name of the Student	Sign.
1.	006202437	A. Sahani	A. Sahani
2.	006202440	N. Chivani	N. Chivani
3.	006202381	V. Sheva Krishna	V. Sheva Krishna
4.	006202333	Rohan Kumar	Rohan
5.	006202383	V. Ashishhek	Ashishhek
6.	006202077	B. Nishanth	Nishanth
7.	006202014	A. Ruchitha	Ruchitha
8.	006202310	P. Preethika	Preethika
9.	006202295	N. Manala	Manala
10.	006202324	R. Prathyusha	Prathyusha
11.	006202154	G. Santhosh Kumar	G. Santhosh Kumar
12.	006202152	G. Maheesh	G. Maheesh
13.	006202029	B. Anil Kumar	B. Anil Kumar


 T. No.
 006202175
 006202185



- 16) 006202013
- 17) 006202132
- 18) 006202067
- 19) 006202120
- 20) 006202064
- 21) 006202124
- 22) 006202088
- 23) 006202069
- 24) 006202074
- 25) 006202081
- 26) 006202151
- 27) 006202148
- 28) 006202138
- 29) 006202139
- 30) 006202217
- 31) 006202127
- 32) 006202189

Name of the Student	Sign.
Timada. Sandeep	T. Sandeep
Gunde. parashuram	G. Parashuram
Anaparthi Sai Ram	A. Sai Ram
Chellu vihas	Chellu vihas
B. Nagaraj	B. Nagaraj
E. Bharath	E. Bharath
B. Karthik	B. Karthik
E. Sai Kiran	E. Sai Kiran
Ch. Vijay Kumar	Ch. Vijay Kumar
B. Sanjay	B. Sanjay
B. Uday Kiran	B. Uday Kiran
B. Ajay	B. Ajay
G. Sagar	G. Sagar
G. Jayaprakash	G. Jayaprakash
G. Rakesh SEC(B)	G. Rakesh SEC(B)
G. Srikanth SEC(B)	G. Srikanth SEC(B)
A.K. Arun Kumar	A.K. Arun Kumar
E. Supriya	E. Supriya
J. Shrivisha	J. Shrivisha



Hall ticket Num.	Name of the student.	Signature.
33) Boru 006202078	Basu Ajay Kumar.	A.K.
34) 006202022	Navan	Navan
35) 006202098	Dandiga Darendar	D. Darendar
36) 006202001	A. Santhosh Kumar.	Santhosh
37) 006202038	B. Ravali	Ravali
38) 006202096	D. Divya	Divya
39) 006202094	Ch Sai Koushik	Kif
40) 006202017	A Anusha	Anusha
41) 006202076	B. Poojitha	Poojitha
42) 006202059	B. Sandhya	B. Sandhya
43) 006202060	B. Naresh	Naresh
44) 006202162	J. Shrinika	Shrinika
45) 006202099	D. Dinesh	Dinesh
46) 006202140	G. Prasanthi	Prasanthi
47) 006202357	T. Privani	Privani
48) 006202083	Ch. Pravalika	Pravalika
49) 006202015	A. Navani	Navani
50) 006202021	A. Jyothsna	Jyothsna
51) 006202166	J. Harsh Vardhana	Harshvardhan
52) 006202110	D. Vishnu	Vishnu



53)	006202142	G. mahesh		mahesh
54)	006202075	B. mahesh	SEC(A)	B. mahesh
55)	006202445	G. sandhya	SEC(D)	Sandhya
56)	006202444	V. sindhu priya	SEC(D)	Sindhu priya
57)	006202366	T. Prityanka	(D)	
58	006202054	asun. B	Section (A)	
59	006202108	D Sandya Rani	SEC(B)	Sandya Rani
60	006202444	G. Supriya	SE (D)	G. Supriya
61	006202446	K. prithi	SEC (D)	K. prithi
62	00620224	A. Madhu	(A)	A. Madhu
63.	006202012	A. srinivas	(A)	A. srinivas



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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Student Seminar

Student Name : N. Sudheer
Group & Year : B.Sc (MCA) - 21/18
Topic : Lists
Student Signature: *Sudheer*

Date: 24-05-2022

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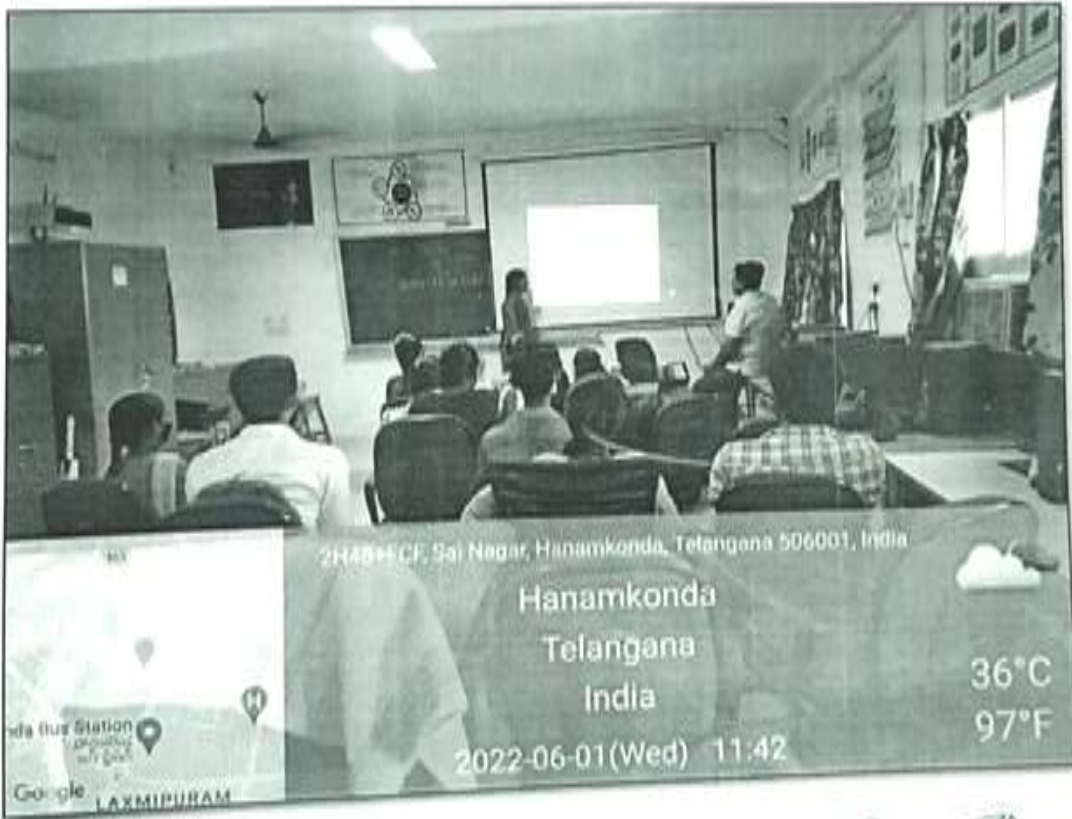
DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Student Seminar

Student Name : *B. Kalyani* Date: 01-06-2022
Group & Year : *Bsc (mstcc) - 2nd - 1st sem*
Topic : *Constructors in C++*

B. Kalyani
Student Signature:

Signature of the Lecturer



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India

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HANAMKONDA



Attendance of Participation Students Details

SNO	HTNO	Student name	Signature
01.	006224414	Ch. Arun Jyothi	Ch. Arun Jyothi
02.	006224403	A. Kanya	A. Kanya
03.	006224432	B. Srividhya	B. Srividhya
04.	006224421	G. Lavanya	G. Lavanya
05.	006224411	B. Bindhu	B. Bindhu
06.	006224433	V. Sandhya	V. Sandhya
07.	006224424	K. Navesh	K. Navesh
08.	006224415	D. Venu	D. Venu
09.	006224410	B. Bharath	B. Bharath
10.	006224405	A. Vamshi	A. Vamshi
11.	006224402	A. Kamal	Kamal
12.	006224423	K. Sanjay	Sanjay
13.	006224432	V. Vikas	V. Vikas
14.	006224430	S. Raj Kumar	S. Raj Kumar

Incharge
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Hanamkonda, Warangal

CONSTRUCTORS

CONSTRUCTOR:

C++ provides a special member function called the **constructor** which enables an object to initialize itself when it is created. This is known as **automatic initialization** of objects. It is special because its name is the same as the class name.

The constructor is invoked whenever an object of its associated class is created. It is called constructor because it constructs the values of data members of the class.

Characteristics constructor 'or'

How constructors are different from a normal member function

- Constructor has same name as the class itself.
- Constructors don't have return type.
- A constructor is automatically called when an object is created.
- If we do not specify a constructor, C++ compiler generates a default constructor for us (expects no parameters and has an empty body).

A constructor is declared and defined as follows:

```
// class with a constructor  
Class integer  
{  
    int m,n;  
    public:  
        integer (void); //constructor declared  
    -  
    -  
};  
integer::integer (void)  
{  
    m=0,n=0;  
}
```




```
// *** Example program on Constructors ***
```

```
#include <iostream.h>
#include <conio.h>
class student
{
    char name[20];
    int s1,s2,s3,tm;
public:
    student()
    {
        clrscr();
        cout<<"enter student name:";
        cin>>name;
        cout<<"enter 3 subject marks:";
        cin>>s1>>s2>>s3;
        tm=s1+s2+s3;
        cout<<"Student Name:"<<name<<endl;
        cout<<"Total Marks :"<<tm;
    }
};
void main()
{
    student stu;
    getch();
}
```



// Example for Constructors ****

```
#include <iostream.h>
#include <conio.h>
class sample
{
    public:
        sample();
};
sample ::sample()
{
    cout<<" GOVERNMENT DEGREE COLLEGES, TELANGANA STATE"<<endl;
    cout<<" CONTRACT LECTURER'S ASSOCIATION ";
}
void main()
{
    sample s;
    clrscr();
    getch();
}
```



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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Student Seminar

Student Name : ANNA THARUN

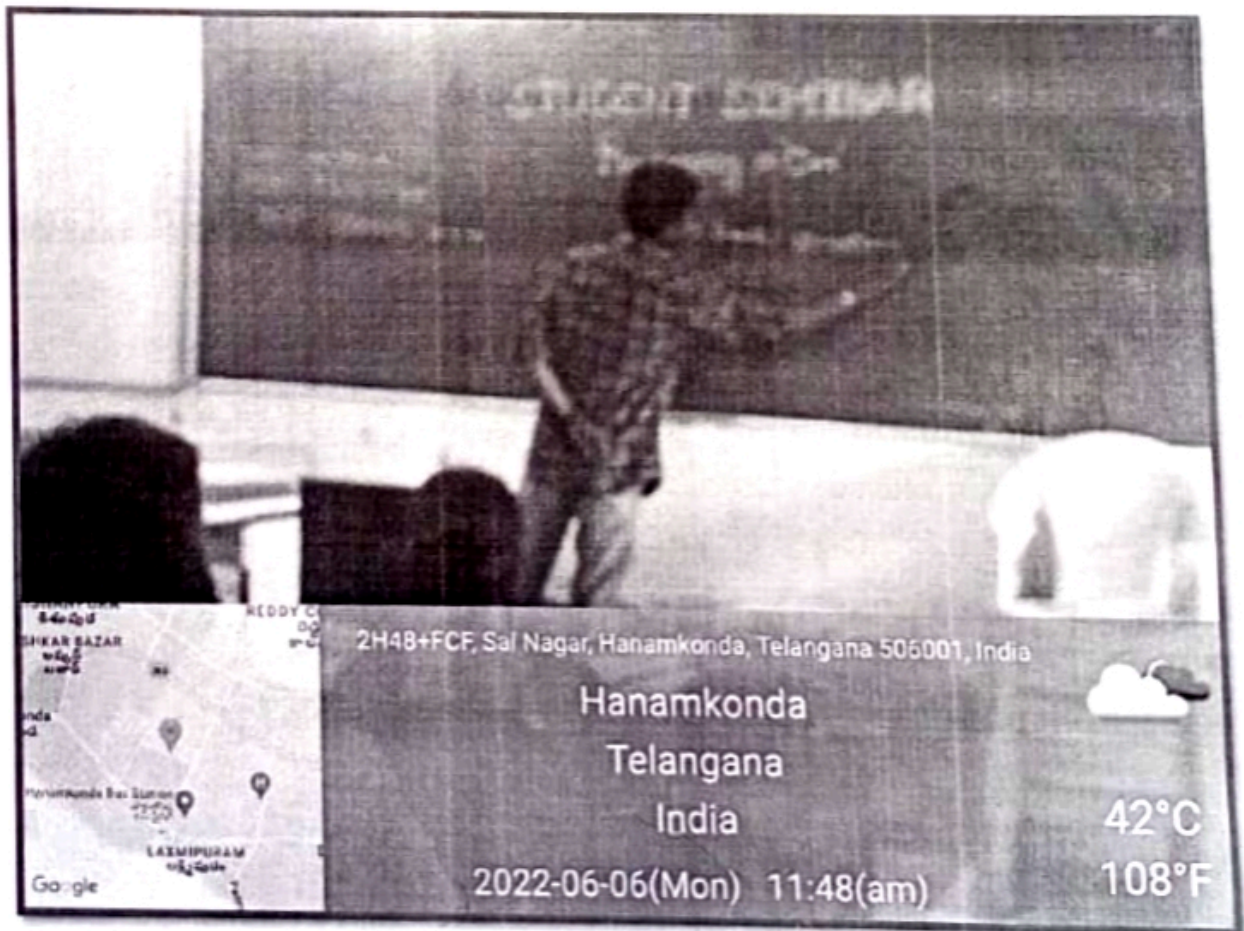
Date: 06-06-2022

Group & Year : M.C.S. 2 yr / 1 sem

Topic : Operators in 'C++'

Student Signature: A. Tharun

Signature of the Lecturer



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Telangana
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Hanamkonda
Telangana
India



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Kakatiya Government college, Hanamkonda

STUDENT SEMINAR

MCCS-I/II Sem

Name of the Student: ANNA THARUN

Hall ticket No: 006-22-4001

Subject: Programming in 'C++'

Date: 06-06-2022



SNo	HTNo	Name	Signature
1	006224001	ANNA THARUN	Tharun
2	006224002	ARUMURI RUCHITHA	Ruchitha
3	006224003	MARU BHANU REDDY	Bhanu
4	006224004	BOLLAM PRAVEEN	Praveen
5	006224005	CHILUVERU UDAY KIRAN	UDAY Kiran
6	006224006	ENAGANDULA GANESH	E. Ganesh
7	006224007	GODISHALA SHIVA NAGA TEJA	G. Shiva naga teja.
8	006224008	GUGULOTH MAHENDAR	Mahendar.
9	006224009	JUVARI RAKESH	Rakesh
10	006224010	MACHABOINA ANVESH	M. Anvesh
11	006224011	MAMINDLA MAHENDER	MAHENDER
12	006224012	NALLATHEEGALA KARTHIK	Karthik.
13	006224013	PUTTAPAKA SHIVA KUMAR	P. shivkumar
14	006224014	RAHUL ATLA	A. Rahul
15	006224015	SANGOJU HARIKA	S. Harika.
16	006224016	THANGDE KALIDAS	T. kalidas.



Operators: We can define operators as symbols that helps us to perform specific mathematical and logical computations on operands. Operators are the foundation of any programming language. For example, consider the below statement:

```
C = a+b;
```

Here, '+' is the operator known as *addition operator* and 'a' and 'b' are operands. The addition operator tells the compiler to add both of the operands 'a' and 'b'.

Types of Operators:

Depending on the number of operands that an operator can act upon, operators can be classified as follows:

- **Unary Operators:** Those operators that require only single operand to act upon are known as unary operators. For Example increment and decrement operators.
- **Binary Operators:** Those operators that require two operands to act upon are called binary operators.

Binary operators are classified into :

1. Arithmetic operators
2. Relational Operators
3. Logical Operators
4. Assignment Operator
5. Increment / Decrement Operators (Unary Operators)
6. Conditional Operator
7. Bitwise Operators
8. Special / Other Operators

Ternary Operators: These operators requires three operands to act upon. For Example Conditional operator(?:).

1. **Arithmetic Operators:** These are the operators used to perform arithmetic/mathematical operations on operands. Examples: (+, -, *, /, %, ++, -).

Arithmetic operator are of two types:

- a) **Unary Operators:** Operators that operates or works with a single operand are unary operators.

For example: (++ , - -)

- b) **Binary Operators:** Operators that operates or works with two operands are binary operators.

For example: (+ , - , * , /)

2. **Relational Operators:** Relational operators are used for comparison of the values of two operands. For example: checking if one operand is equal to the other operand or not, an operand is greater than the other operand or not etc. Some of the relational operators are (==, > , = , <=).
3. **Logical Operators:** Logical Operators are used to combine two or more conditions/constraints or to complement the evaluation of the original condition in consideration. The result of the operation of a logical operator is a boolean value either true or false.
4. **Assignment Operators:** Assignment operators are used to assign value to a variable. The left side operand of the assignment operator is a variable and right side operand of the assignment operator is a value.



5. **Increment / Decrement Operators (Unary Operators):** The increment operator `++` adds 1 to its operand, and the decrement operator `--` subtracts 1 from its operand. Thus

`x = x+1;` is the same as `x++;` and similarly

`x = x-1;` is the same as `x--;`

Both the increment and decrement operators can either precede (prefix) or follow (postfix) the operand. For example

`x = x+1;` can be written as `++x;` (Prefix form) Or `x++;` (Postfix form)

6. **Conditional Operator :** It is also called **ternary (?) operator**. It is like if...else statement. The General form of the conditional operator is

Syntax: `<Expression1 ? Expression2: Expression3>`

Here, Expression1 is the condition to be evaluated. If the condition (Expression1) is true then Expression2 will be executed otherwise if the condition (Expression1) is false then Expression3 is executed.

Ex: `a = 3 and b = 5 (a>b)? cout<<" a is big": cout<<"b is big";`

Output : b is big

7. **Bitwise Operators:** The Bitwise operators is used to perform bit-level operations on the operands. The operators are first converted to bit-level and then calculation is performed on the operands. These operators are used for testing the bits, or shifting them right or left. Bitwise operators may not be applied to float or double.

<code>&</code>	bitwise AND
<code> </code>	bitwise OR
<code>^</code>	bitwise exclusive OR
<code><<</code>	Shift left
<code>>></code>	Shift right
<code>~</code>	One's complement

8. **Special / Other Operators:** C++ support some special operators they are:

a) **Comma Operator :** The Comma operator can be used to link the related expressions together.

For Ex: The statement `value = (x=10, y=5, x+y)`

In for Loop statement = `for (n=1, m=10; n<=,; n++, m++)`

b) **Size of operator :** The size of operator returns the size of a variable. For example `sizeof(a)`, where 'a' is integer, and it will return 4.

c) **Pointer Operator:** The Pointer operator '&' is return the **address of the variable**. The other operator available in C++ is '*' is return the **"value at address"**. "*" is pointer to a variable. For example `*var` will pointer to a variable var.

d) **Dot operator (.) 'or' Member Operator:** These operator is used to reference individual members of Classes, structures and unions.