

Beginning with C++

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Contents

- What is C++?
- Applications of C++.
- Simple Program Features.
- Comments
- Output Operator

Contents Conti..

- Header Files
- Return Type of main()
- More C++ Statements
- An example With Class
- Structure of C++ Program

What is C++?

- It is an object oriented programming.
- It is the super set of c.
- It has bottom-up approach.

■ Applications:-

Simple C++ program

```
■ #include<iostream.h>
#include<conio.h>
int main( )
{
    cout<<"c++ is better than c"<<endl;
    getch( );
    return 0;
}
```

Comments

- C++ introduced a new comment symbol `//`(back slash).
- It is of 2 types:-
 1. Single line comments
 2. Multi line comments

Input & Output Operator

- The operator $>>$ is called the extraction operator. It is used for output.
- The operator $<<$ is known as insertion operator. It is used for input .

Header Files

- `<stdio.h>`
- `<iostream.h>`
- `<stdlib.h>`
- `<string.h>`
- `<time.h>`
- `<iomanip.h>`
- `<fstream>`

Namespace

- All classes and functions are declared within namespace.
- Using namespace specifies that the members defined in std are used throughout the program.

Return Type of main()

- By default the return type of main() is integer.
- Therefore the return type of all functions in c++ is int.

More C++ Statements

- Variables
- Cascading of I/O operator

Structure of C++ Program

Include files

Class declaration

Member functions definition

Main function program

References

- **Book:-**Object oriented programming with C++
- **Author name:-** E Balagurusamy
- **Edition:-** Second
- **Chapter-** Second
- **Page no:-** form 17-29