C++ programming

C++ is an object-oriented programming language OPP

OPP: object-oriented programming

C++ language is totally based upon objects

C is POP and C++ is OPP language

Main purpose of OPP is to provide security to the user

History of C++

C++ was created by Bjarne Stroustrup in 1978 and launched in 1979

C++ was created in AT&T Bell Laboratories, California.

Syntax of C++ :

# predefined

Include – To add something

iostream – input output stream

* istream - Input stream
* ostream -Output stream

using namespace std: - it is standard library for using standard name in C++

main (): - function

{

Code…

}

Cout<< - output

Dynamic or user input value:

Cin>> - input

Task : 20-11-2023

Using C++

1. Write a program to find the area of circle
2. Write a program to find perimeter of circle
3. Write a program to find the area of triangle
4. Write a program to find the area of rectangle
5. Write a program to find the simple interest

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C++

C+1

OOPS

Class

Objects

Inheritance

Encapsulation

Constructor

Polymorphism

Abstraction

Inline Function

Friend Function

File Handling

Templates

Task :

Menu : press 1 for find sum of all natural numbers

press 2 for find the factorial number

press 3 for find the Fibonacci numbers

press 4 for find the sum of even and odd numbers