Difference between C and C++

Elementrix Classes

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	Procedure Oriented Programming	Object Oriented Programming
1	C is Procedural Oriented language.	C++ is an Object-Oriented Programming language.
2	program is divided into small parts called **functions**.	program is divided into parts called **objects**.
3	Structure in C does not provide the feature of function declaration.	Structure in C++ provides the feature of declaring a function as a member of the structure.
4	Importance is not given to **data** but to functions as well as **sequence** of actions to be done.	Importance is given to the data rather than procedures or functions because it works as a **real world**.
5	follows **Top Down approach**.	follows **Bottom Up approach**.

6	It does not have any access specifier.	OOP has access specifiers named Public, Private, Protected, etc.
7	Data can move freely from function to function in the system.	objects can move and communicate with each other through member functions.
8	To add new data and function in POP is not so easy.	OOP provides an easy way to add new data and function.
9	Most function uses Global data for sharing that can be accessed freely from function to function in the system.	In OOP, data can not move easily from function to function, it can be kept public or private so we can control the access of data.

10	It does not have any proper way for hiding data so it is **less secure**.	OOP provides Data Hiding so provides **more security**.
11	Overloading is not possible.	In OOP, overloading is possible in the form of Function Overloading and Operator Overloading.
12	Example of Procedure Oriented Programming are : C , VB , FORTRAN, PASCAL , ALGOL , COBOL , BASIC	Example of Object Oriented Programming are : C++, JAVA, VB.NET, C#.NET , PYTHON

पढ़िए और पढ़ाइये

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