

Date:- 24/6/20

Course:- C++

Topic:- classes and objects

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Sem & Sec:- 6th B

OOPS concepts

The major purpose of C++ is to introduce the concept of object oriented to the programming language

* objects means a real world entity such as pen, chair etc. in other words its state & behaviour.

* class is a group of similar objects.

* Constructors which as no arguments is known as default constructors

* A constructor which has parameters is called parameterized constructors.

* The Examples and Syntax of all constructors was ~~Exp~~ Explained.

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Topic: Destructors

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Destructor works opposite to constructor. Destructor is defined like constructor. It must have same name as class. But it is predefined with a tilde sign (~)

* In C++ this is a keyword that refers to the current instance of the class

There are 3 main usage

→ It can be used to pass current object

→ It can be used to refer current instance variable

→ It can be used to declare indexes

* Friend function in C++ defined as friend

* Here friend function has some characteristics

→ It can be declare either in private or public

→ It can be invoked like normal function without using the object.