Interview Questions

Que: Does C++ compiler create a default constructor when we write our own?

In C++, compiler by default creates a default constructor for every class. But, if we define our own constructor, compiler doesn't create the default constructor.

Que: Explain constructor in C++

- A constructor is a special member function automatically called when an object is created.

- A constructor initializes the class data members with garbage value if we don'tput any value to it explicitly.

Que: What do you mean by constructor overloading?

The concept of having more than one constructor with different parameters to perform a different task is known as constructor overloading.

Que: Explain Destructor in C++

- A destructor is a special member function that works just opposite to a constructor.

- unlike constructors that are used for initializing an object, destructors destroy (or delete) the object.

- The purpose of the destructor is to free the resources that the object may have acquired during its lifetime.

Que: What is a copy constructor?

- These are a particular type of constructor that takes an object as an argument and copies values of one object's data members into another object.

- In this constructor, we pass the class object into another object of the same class.

Que: How many types of constructors are there?

Three types of constructors in C++:
- Default constructor   Parameterized Constructor   Copy Constructor

Que: When should the destructor use delete to free the memory?

If the object is created by using new or the constructor uses new to allocate memory that resides in the heap memory or the free store, the destructor should use delete to free the memory.

Que: What is the return type of constructor and destructor?

They have no return type, not even void.