

Which among the following best defines single level inheritance?

- ☐ A class inheriting a derived class
- ☒ A class inheriting a base class
- ☐ A class inheriting a nested class
- ☐ A class which gets inherited by 2 classes

Clear selection

Which among the following represents correct constructor?

- ☐ ~classname()
- ☒ classname()
- ☐ ()classname
- ☐ ~classname()

Clear selection

Which among the following is correct for multiple inheritance?

- ☒ `class student{public: int marks;}; class stream{int total;}; class topper:public student, public stream{ };`
- ☐ `class student{int marks;}; class stream{ };` `class topper: public student{ };`
- ☐ `class student{int marks;}; class stream:public student{ };`
- ☐ `class student{ };` `class stream{ };` `class topper{ };`

Clear selection

Which access specifier is usually used for data members of a class?

- ☐ Protected
- ☒ Private
- ☐ Public
- ☐ Default

Clear selection

How to access data members of a class?

- ☐ Dot, arrow or direct call
- ☐ Dot operator
- ☐ Arrow operator
- ☒ Dot or arrow as required

Clear selection

In which access should a constructor be defined, so that object of the class can be created in any function?

- ☐ Any access specifier will work
- ☐ Private
- ☒ Public
- ☐ Protected

Clear selection

How many basic types of inheritance are provided as OOP feature?

☒ 4

☐ 3

☐ 2

☐ 6

Clear selection

Which type of members can't be accessed in derived classes of a base class?

☐ All can be accessed

☐ Protected

☒ Private

☐ Public

Clear selection

Which constructor will be called from the object created in the below C++ code?

```
class A
{
    int i;
    A()
    {
        i=0; cout<<<i;
    }
    A(int x=0)
    {
        i=x;  cout<<<I;
    }
};
A obj1;
```

- ☐ Parameterized constructor
- ☐ Default constructor
- ☐ Run time error
- ☐ Compile time error

When a destructor is called?

- ☒ After the end of object life
- ☐ Anytime in between object's lifespan
- ☐ At end of whole program
- ☐ Just before the end of object life

Clear selection

Destructors doesn't accept parameters. (Write: True / False)

True

Which among the following is not a necessary condition for constructors?

- ☐ Its name must be same as that of class
- ☐ It must not have any return type
- ☒ It must contain a definition body
- ☐ It can contains arguments

Clear selection

Which feature in OOP is used to allocate additional functions to a predefined operator in any language?

- ☐ Function Overloading
- ☐ Function Overriding
- ☒ Operator Overloading
- ☐ Operator Overriding

Clear selection

How the constructors and destructors can be differentiated?

- ☐ Destructor have a return type but constructor doesn't
- ☐ Destructors can't be defined by the programmer, but constructors can be defined
- ☒ Destructors are preceded with a tilde (~) symbol, and constructor doesn't
- ☐ Destructors are same as constructors in syntax

Clear selection

Which among the following best describes the Inheritance?

- ☒ Using the data and functions into derived segment
- ☐ Using already defined functions in a programming language
- ☐ Using the code already written once
- ☐ Copying the code already written