

**Question No: 31 ( Marks: 1 )**

Write the syntax of declaring a pure virtual function in a class?

**Answer:- (page 230)**

```
class Shape {  
...  
public:  
virtual void draw() = 0;  
}
```

**Question No: 32 ( Marks: 1 )**

What is meant by direct base class?

**Answer:- (page 208)**

A direct base class is explicitly listed in a derived class's header with a colon (:)

```
class Child1:public Parent1 { // Here Parent1 is Direct Base Class of Child1
```

```
...  
};
```

**Question No: 33 ( Marks: 2 )**

Describe the way to declare a template class as a friend class of any other class.

**Answer:- rep**

**Question No: 34 ( Marks: 2 )**

What is the purpose of template parameter?

**Answer:- (page 263)**

We can change behavior of a template using template parameter.

**Question No: 35 ( Marks: 3 )**

Describe in simple words how we can use template specialization to enforce case sensitive specialization in String class.

**Question No: 36 ( Marks: 3 )**

Can we use compiler generated default assignment operator in case our class is using dynamic memory? Justify your answer.

**Answer:- (Page 197)**

In case our class involves dynamic memory allocation we had to write assignment operator code by our self as we had to write the user defined code for copy constructor.

**Question No: 37 ( Marks: 3 )**

Give the names of three ways to handle errors in a program.

**Answer:- (page 329)**

- a. Abnormal termination
- b. Graceful termination
- c. Return the illegal value