



The first line of output is printed by statement "String s1("Geeks");" and the second line is printed by statement "s1 = name;". The reason for the second call is, a single parameter constructor also works as a conversion operator (See [this](#) and [this](#) for details).

Question 2

```
#include<iostream>

using namespace std;

class A
{
    public:
    virtual void fun() {cout << "A" << endl ;}
};
class B: public A
{
    public:
    virtual void fun() {cout << "B" << endl;}
};
class C: public B
{
    public:
    virtual void fun() {cout << "C" << endl;}
};

int main()
{
    A *a = new C;
    A *b = new B;
    a->fun();
    b->fun();
    return 0;
}
```

Output:

```
C
B
```

A base class pointer can point to objects of children classes. A base class pointer can also point to objects of grandchildren classes. Therefore, the line "A *a = new C;" is valid. The line "a->fun();" prints "C" because the object pointed is of class C and fun() is declared virtual in both A and B (See [this](#) for details). The second line of output is printed by statement "b->fun();".



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