Q1. Consider the following classes in C++.

```cpp
class B1 {};

class B2 {};

class B3: public B2
{
    B1 localVar;
    // implementation ...
};
```

Which of the following relations holds for these classes? Choose one of the four options

1) B3 is-a B2 and B3 is-a B1
2) B3 is-a B2 and B3 has-a B1
3) B2 has-a B1 and B3 is-a B1
4) B2 is-a B3 and B3 has-a B1

Q2. What will be the output of the following program?

```cpp
class A
{
    int val;

public:
    A(int i) {
        val = i;
        cout << "constructor : " << val << "\n";
    }

    ~A() {
        cout << "destructor : " << val << "\n";
    }
};

int main() {
    A a1 = A(1);
    A* a2 = new A(2);
    delete a2;
}
```

```
constructor : 1
constructor : 2
destructor : 2
destructor : 1
```