Total Time: 10 Minutes
  Total Marks: 10
Important Note: Negative marks will be awarded for any suspicious activity found during/in the quiz.

Question: For the code segment given below identify output or error. In case of error highlight the line that will cause the error.

```cpp
#include<iostream>

using namespace std;


class A

{

private:

    int* aptr;

public:

    A(int a = 5)

    {

        aptr = new int(a);

    }

    virtual void Print(){

        cout<<"a = "<<*aptr<<endl;

    }

    virtual ~A()

    {

        cout << "~A() called.\n";

        if(aptr != 0)

            delete aptr;

    }

};


class B : public A

{

private:

    int* bptr;
```

```cpp
class C : public A

{

private:

    int* cptr;

public:

    C(int c= 15):A(c*10)

    {

        cptr = new int(c);

    }

    void Print(){

        A::Print();

     cout << " c = " << *cptr <<
endl; }

    ~C()

    {

        cout << "~C() called.\n";

        if(cptr != 0)

            delete cptr;

    }

};


void main()

{

    A* aptr[3];

    aptr[0] = new B(1);

    aptr[1] = new C(2);

    aptr[2] = new A(3);
```

```cpp
public:

    B(int b = 10)

    {

        bptr = new int(b);

    }

    void Print(){

        A::Print();

        cout<<" b = " << *bptr <<
endl; }

    ~B()

    {

        cout << "~B() called.\n";

        if(bptr != 0)

            delete bptr;

    }

};
```

```cpp
    for (int i = 0; i < 3; i++)

        aptr[i]->Print();


    for (int i = 0; i < 3; i++)

        delete aptr[i];

}
```

Output: