1. What is the output of the following program?

class Base {

public:

Base() {}

virtual void A() { std::cout << "Base A "; }

void B() { std::cout << "Base B "; }

};

class One : public Base {

public:

One() {}

void A() { std::cout << "One A "; }

void B() { std::cout << "One B "; }

};

class Two : public Base {

public:

Two() {}

void A() { std::cout << "Two A "; }

void B() { std::cout << "Two B "; }

};

int main() {

Base\* a[3];

a[0] = new Base;

a[1] = new One;

a[2] = new Two;

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

a[i]->A();

a[i]->B();

}

std::cout << std::endl;

return0

}