Week 10-11

Q7. Program with hybrid inheritance eg. Class grandparent, parent1, parent2, child

#include <iostream>

using namespace std;

class A { // Base Class A for hybrid inheritance example.

public:

void showA() {

cout << "Class A" << endl;

}

};

class B : public A { // Derived Class B inheriting A.

public:

void showB() {

cout << "Class B" << endl;

}

};

class C : public A { // Derived Class C inheriting A.

public:

void showC() {

cout << "Class C" << endl;

}

};

class D : public B, public C { // Class D inherits B and C (Hybrid)

public:

void showD() {

showB();

showC();

cout << "Class D" << endl;

}

};

int main() {

D obj; // Object of D which combines features.

obj.showD(); // Displaying all inherited features.

return 0;

}