Week 10-11

Q6. Program with hierarchical inheritance eg. Class parent, child1, child2 or employee, skilled, unskilled

#include <iostream>

using namespace std;

class Base { // Base class for both derived classes

public:

void displayBase() {

cout << "Base Class" << endl;

}

};

class Derived1 : public Base { // First derived class inheriting from Base

public:

void displayDerived1() {

cout << "Derived Class 1" << endl;

}

};

class Derived2 : public Base { // Second derived class inheriting from Base

public:

void displayDerived2() {

cout << "Derived Class 2" << endl;

}

};

int main() {

Derived1 d1; // Object of first derived class

Derived2 d2; // Object of second derived class

d1.displayBase(); // Call base method using first derived object

d1.displayDerived1(); // Call first derived specific method

d2.displayBase(); // Call base method using second derived object

d2.displayDerived2(); // Call second derived specific method

return 0;

}