Week 12-13

Q5. Program with virtual function

#include <iostream>

using namespace std;

class Base {

public:

virtual void show() { // Virtual function

cout << "Base class show function." << endl;

}

};

class Derived : public Base {

public:

void show() override { // Override virtual function

cout << "Derived class show function." << endl;

}

};

int main() {

Base\* ptr = new Derived(); // Base pointer pointing to Derived object

ptr->show(); // Calls Derived's show due to polymorphism

delete ptr; // Clean up memory

return 0;

}