1.Implement a C++ program to demonstrate Encapsulation

Code:-

**#include <iostream>**

**#include <string>**

**class Employee {**

**private:**

**std::string name;**

**int salary;**

**public:**

**// Public methods to access and modify private members**

**void setName(const std::string& newName) {**

**name = newName;**

**}**

**std::string getName() const {**

**return name;**

**}**

**void setSalary(int newSalary) {**

**if (newSalary > 0) {**

**salary = newSalary;**

**}**

**}**

**int getSalary() const {**

**return salary;**

**}**

**void display() const {**

**std::cout << "Employee Name: " << name << ", Salary: $" << salary << std::endl;**

**}**

**};**

**int main() {**

**Employee employee1;**

**employee1.setName("John");**

**employee1.setSalary(50000);**

**Employee employee2;**

**employee2.setName("Alice");**

**employee2.setSalary(60000);**

**employee1.display();**

**employee2.display();**

**return 0;**

**}**