- 1) Write a C++ program.
- Create a base class BankAccount with attributes accountHolder and balance. Implement both a default constructor (setting accountHolder to "Unknown" and balance to 0) and a parameterized constructor (accepting values for both attributes).
- Create a derived class SavingsAccount that inherits from BankAccount and adds an interestRate attribute.
- Implement a method in *SavingsAccount* to apply interest to the balance and display the account details both before and after interest is applied.
- 2) Write a c++ program to design a base class **person** with **attributes** (name,add,phone) and methods setname,setadd,setphone and display derive a class **Employee** from person **attribute** eno and **method** seteno and display. derive a class **manager** from employee that attributes (dept\_name, salary) and method(setdept\_name, set salary,getsalary) and display

## write a program to

- 1. get 2 objects of managers and compare their salaries
- 2. Display manager with highest salary
- 3) Write a C++ program that demonstrates multiple inheritance. Create two base classes, **Vehicle** (with a brand attribute and a method setBrand()) and **Engine** (with a horsepower attribute and a method setHorsepower()). Then, derive a **class Car** from both Vehicle and Engine, and implement a method displayCarDetails() to display the car's brand and horsepower.