public class Account {

String acc\_no;

String AccOwnerName;

Account(){}

public String getAcc\_no() {

return acc\_no;

}

public void setAcc\_no(String acc\_no) {

this.acc\_no = acc\_no;

}

public String getAccountHolderName() {

return AccOwnerName;

}

public void setAccountHolderName(String accOwnerName) {

AccOwnerName = accOwnerName;

}

}

public class SalaryAccount extends Account {

double interestRate;

double SalaryAmount;

double balance;

public double getInterestRate() {

return interestRate;

}

public double getSalaryAmount() {

return SalaryAmount;

}

public double getBalance() {

return balance;

}

public void setInterestRate(double interestRate) {

this.interestRate = interestRate;

}

public void setSalaryAmount(double salaryAmount) {

SalaryAmount = salaryAmount;

}

public void setBalance(double balance) {

this.balance = balance;

}

double calcInterestRate()

{

return ((interestRate\*balance));

}

double calcBalance()

{

balance= (balance+calcInterestRate()+SalaryAmount);

return balance;

}

void deposit(double deposit)

{

balance+=deposit;

}

void withdraw(double withdraw)

{

balance-=withdraw;

}

void showDetails()

{

System.out.println("Account Number: "+getAcc\_no());

System.out.println("Account Holder Name: "+getAccountHolderName());

System.out.println("Balance: "+getBalance());

System.out.println("Total Interest: "+calcInterestRate());

System.out.println("Interest Rate: "+calcBalance());

}

SalaryAccount(String acc\_no,String AccOwnerName,double interestRate,double balance)

{

setAccountHolderName(AccOwnerName);

setAcc\_no(acc\_no);

this.interestRate=interestRate;

this.balance=balance;

}

}

public class SavingsAccount extends Account {

double interestRate;

double balance=0.00;

public double getBalance() {

return balance;

}

public double getInterestRate() {

return interestRate;

}

public void setBalance(double balance) {

this.balance = balance;

}

public void setInterestRate(double interestRate) {

this.interestRate = interestRate;

}

double calclInterest()

{

return ((interestRate\*balance));

}

double calcBalance()

{

balance= (balance+calclInterest());

return balance;

}

void showDetails()

{

System.out.println("Account Number: "+getAcc\_no());

System.out.println("Account Holder Name: "+getAccountHolderName());

System.out.println("Balance: "+getBalance());

System.out.println("Total Interest: "+calclInterest());

System.out.println("Interest Rate: "+calcBalance());

}

void deposit(double deposit)

{

balance+=deposit;

}

void withdraw(double withdraw)

{

balance-=withdraw;

}

SavingsAccount(String acc\_no,String AccOwnerName,double interestRate,double balance)

{

setAccountHolderName(AccOwnerName);

setAcc\_no(acc\_no);

this.interestRate=interestRate;

this.balance=balance;

}

}

public class Start {

public static void main(String[] args) {

SavingsAccount a2=new SavingsAccount("SA111","BBA\_AIUB",0.05,3500);

a2.showDetails();

a2.deposit(5000);

System.out.println("Balance of savings account after deposit: "+a2.getBalance());

a2.withdraw(3000);

System.out.println("Balance of savings account after withdraw: "+a2.getBalance());

SalaryAccount a1=new SalaryAccount("SA222","CS\_AIUB",0.03,5000);

a1.showDetails();

a1.deposit(3000);

System.out.println("Balance of savings account after deposit: "+a1.getBalance());

a1.withdraw(1500);

System.out.println("Balance of savings account after withdraw: "+a1.getBalance());

a1.setSalaryAmount(25000);

System.out.println("Balance of savings account after Salary deposit: "+a1.calcBalance());

}

}