Develop Java Pgm to develop a class bank with current account & savings account

```
import java.util.Scanner;

class Input{
   Scanner sc = new Scanner(System.in);
}
class account extends Input{
 String name; int accNo; double balance;}

Public void getDetails()
{
  System.out.println("Enter the name:");
  name = sc.nextLine();
  System.out.println("Enter the accNO");
  accNO = sc.nextInt();
}
void deposit(){
  System.out.print("Enter the amount to deposit");
  double amt = sc.nextDouble();
  balance+=amt;
  System.out.println("Amount deposited");
}
Public void withdraw(){
  System.out.print("Enter amount to withdraw");
  double amt = sc.nextDouble();
  if (balance >= amount){
    balance -= amount;
    System.out.println("withdraw successful");
  }
  else{ System.out.println("Insufficient balance");}
}
```

```
void display(){
    System.out.println("Name:" + name);
    System.out.println("AccNo:" + accNo);
    System.out.println("Balance" + balance);
}
}
class savings extends account{
    final double intrestRate = 0.04;
    void computeIntrest(){
        double intrest = balance * intrestRate;
        balance += intrest;
        System.out.println("intrest credited: " + intrest);
    }
}
class Current extends Account{
    final double minBalance = 500;
    final double penalty = 100;

    @override
    Public void withdraw(){
        super.withdraw();
        checkMinBalance();
    }
    Private void checkMinBalance(){
        if(balance < minBalance){
            balance -= penalty;
            System.out.println("Penalty applied");
        }
    }
}
```

```
class bank extends Account
{
public static void main(String[] args)
{
Scanner sc = new Scanner(System.in);
Saving ob1 = new Saving();
Current ob2 = new Current();
ob1.getDetails();
ob2.getdetails();

int choice;
String acc;
System.out.println("menu \n 1.Deposit \n
                    2.withdraw \n 3.display \n
                    4. compute intrest \n
                    5. exit ");
do {
    System.out.println("enter choice: ");
    choice = sc.nextInt();
    System.out.println("Enter acc type");
    acc = sc.next();
    switch(choice){
    case 1:
      if(acc.equals("saving")) ob1.deposit();
      else ob2.deposit(); break;
    case 2:
    if(acc.equals("savings")) ob1.withdraw();
    else ob2.withdraw(); break;
    case 3:
    if(acc.equals("savings")) ob1.display();
    else ob2.display; break;
    case 4:
        ob1.computeIntrest();
        break;
```

```
case 5:
    System.out.println("Exiting");
    break;
default:
    System.out.println("Invalid choice");
}
}while(choice!=5
}
}
```

output:

Enter name: someone
Enter dgno: 123

Menu:
1. Deposit
2. withdraw
3. Display Balance
4. Compute interest
5. Exit

Enter your choice: 1
Enter the acc type: savings
Enter amount to be deposited: 1000
Amount deposited successfully.
Enter your choice: 1
Enter accnt type: current
Enter the amount to deposit: 5000
Amount deposited successfully.
enter choice: 2
Enter the acc type: savings
Enter amount to withdraw: 800
Amount withdrawn successfully.
enter choice: 5