```
import java.util.Scanner;
class Bank {
    public static void main(String args[]) {
        boolean nxt=true;
        Scanner sc=new Scanner(System.in);
        while(nxt) {
            System.out.println("Enter 1 for 'Savings Account'");
            System.out.println("Enter 2 for'Current Account'");
            System.out.println("Enter type of account");
            int n=sc.nextInt();
            String s=sc.nextLine();
            if(n==1) {
                Sav_acct ob=new Sav_acct();
                System.out.println("Enter name");
                ob.name=sc.nextLine();
                System.out.println("Enter acc number");
                ob.accno=sc.nextInt();
                ob.acceptBalance();
                ob.display();
                ob.compute();
                ob.withdraw();
                ob.chqbk();
            }
            else {
                Curr_acct ob=new Curr_acct();
                System.out.println("Enter name");
                ob.name=sc.nextLine();
                System.out.println("Enter acc number");
                ob.accno=sc.nextInt();
                ob.acceptBalance();
                ob.checkmin();
                ob.display();
                ob.withdraw();
                ob.chqbk();

            }
            System.out.println("Enter 1 for next customer, 2 to end");
            int c=sc.nextInt();
            if(c==1)
                continue;
            else
                nxt=false;
```

```
            }
            System.out.println("Enter 1 for next customer, 2 to end");
            int c=sc.nextInt();
            if(c==1)
                continue;
            else
                nxt=false;
            }
        }
}
class Account  {
    String name;
    int accno;
    String acctype;
}
class Curr_acct extends Account {
    double balance;
    void acceptBalance() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter deposit amount");
        double d=sc.nextDouble();
        balance+=d;
    }
    void display() {
        System.out.println("Balance:"+balance);
    }
    void withdraw() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter amount to withdraw");
        int w=sc.nextInt();
        balance-=w;
        System.out.println("Balance:"+balance);
    }
    void checkmin() {
        if(balance<500){
            balance-=50;
        System.out.println("Service charge of Rs.50/- has been imposed");
        System.out.println("Balance after deduction:"+balance);
       }
       else
        return;
    }
```

```
       else
        return;
    }
    void chqbk() {
        System.out.println("Name:"+super.name);
        System.out.println("Account Number:"+super.accno);
        System.out.println("Balance:"+balance);
        System.out.println("Account type: Current account");
    }
}
class Sav_acct extends Account {
    double balance;
    void acceptBalance() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter deposit amount");
        double d=sc.nextDouble();
        balance+=d;
    }
    void display() {
        System.out.println("Balance:"+balance);
    }
    void compute() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter Duration in months");
        int n=sc.nextInt();
        balance+=(0.025*n);
    }
    void withdraw() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter amount to withdraw");
        int w=sc.nextInt();
        balance-=w;
       System.out.println("Balance:"+balance);
    }
void chqbk() {
        System.out.println("Name:"+super.name);
        System.out.println("Account Number:"+super.accno);
        System.out.println("Balance:"+balance);
        System.out.println("Account type: Savings account");
    }
}
```

```
C:\Users\PUNEETH K\Desktop\JAVA\LAB Programs>java Bank
Enter 1 for 'Savings Account'
Enter 2 for'Current Account'
Enter type of account
1
Enter name
puneeth
Enter acc number
125
Enter deposit amount
125000
Balance:125000.0
Enter Duration in months
16
Enter amount to withdraw
23456
Balance:101544.4
Name:puneeth
Account Number:125
Balance:101544.4
Account type: Savings account
Enter 1 for next customer, 2 to end
1
Enter 1 for 'Savings Account'
Enter 2 for'Current Account'
Enter type of account
2
Enter name
puneeth
Enter acc number
152
Enter deposit amount
152000
Balance:152000.0
Enter amount to withdraw
32654
Balance:119346.0
Name:puneeth
Account Number:152
Balance:119346.0
Account type: Current account
Enter 1 for next customer, 2 to end
```

LAB - 5

⇒ Using A Bank class to derive Savings and current acco...

```
import java.util.Scanner;
    class Bank {
        public static void main (String args[]){
            boolean nxt = true;
        Scanner sc = new Scanner (System.in);
        while (nxt) {
        System.out.println("Enter 1 for 'Saving Account'");
        System.out.println("Enter 2 for 'current Account'");
System.out.println("Enter the type of account");
    int n = sc.nextInt();
    String s = sc.nextLine();
      if(n==1){
          Sav_acct ob = new Sav_acct();
        System.out.println("Enter name");
        ob.name = sc.nextLine();
        System.out.println("Enter account number");
        ob.accno = sc.nextInt();
        ob.acceptBalance();
        ob.display();
        ob.Compute();
        ob.withdraw();
      }
      else {
          Cur_acct ob = new Cur_acct();
        System.out.println("Enter Name");
    ob.name = sc.nextLine();
    System.out.println("Enter acc number");
      ob.accno = sc.nextInt();
```

```
ob.acceptBalance();
ob.checkamin();
ob.display();
ob.withdraw();
}
System.out.println("Enter 1 for next customer, Enter 2 to end");
int c = sc.nextInt();
if (c==1)
continue;
else
nxt=false;
}
}
}
class Account{
String name;
int accno;
String acctype;
}
class Curr_acct extends Account{
double balance;
void acceptBalance(){
Scanner sc = new Scanner(System.in);
System.out.println("Enter deposit amount");
double d = sc.nextDouble();
balance+=d;
}
void display(){
System.out.println("Balance:+balance");
}
void withdraw(){
Scanner sc = new Scanner(System.in);
System.out.println("Enter the amount to withdraw");
int w = sc.nextInt();
balance -=w;
System.out.println("Balance:+balance);}
```

```
}
void checkmin(){
    if (balance < 500){
        balance -= 50;
System.out.println("Servic charge of Rs. 50/- has been imposed");
System.out.println("Balance after deduction :"+balance);
  }
  else
   return;
}
void chqbk(){
    System.out.println(" Name : "+super.name);
 System.out.println("Account Number : "+super.accno);
 System.out.println("Balance : "+balance)
System.out.println("Account type : current account");
  }
}
class Sav-acct extends Account{
    double balance;
     void acceptBalance() {
       Scanner sc = new Scanner (System.in);
System.out.println("Enter deposit amount");
    double d = sc.nextDouble();
     balance += d;
  }
  void display(){
   System.out.println("Balance :"+balance);
  }
  void compute(){
    Scanner sc=new.Scanner (System.in);
  System.out.println("Enter duration in months");
     int n = sc.nextInt();
       balance += (0.025*n);
   }
```

```
void withdraw(){
    Scanner sc = new Scanner (System.in);
  System.out.println ("Enter amount to withdraw");
    int   w = sc. nextInt();
      balance -= w;
     System . out . println ("Balance : "+balance);
  }
  void chqbk(){
        System . out . println ("Name : "+super.name);
        System . out . println ("Account Number : "+super.accno);
      System . out . println ("Balance : "+balance);
      System . out . println ("Account type : Savings account");
      }
  }
```

Output:-

```
Enter 1 for 'Saving Account'
Enter 2 for 'Current Account'
Enter type of account
1
Enter name
Puneeth
Enter account number
125
Enter deposit amount
125000
Balance : 125000.0
Enter Duration in month
16
Enter amount to withdraw
23456
Balance : 101544.4
Name : puneeth
Account Number : 125
```

Balance: 101544.4
Account type : Savings Account
Enter 1 for next customer, 2 to end.
1
Enter 1 for Savings Account
Enter 2 for Current Account
Enter type of account
2
Enter Name
Puneeth
Enter acc number
152
Enter deposit amount
152000
Balance : 152000.0
Enter amount to withdraw
32654
Balance : 119346.0

Name: Puneeth
Account number : 152
Balance : 119346.0
Account type : Current account
Enter 1 for next customer, 2 to end