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Lab - 4

(2)

```
import java.util.*;
class account
{
String cus_name;
int acc_num;
String acc_type;
account (String cus_name, int acc_num, String acc_type)
 {
   this.cus_name = cus_name;
   this.acc_num = acc_num;
   this.acc_type = acc_type;
 }
   void display ()
{
System.out.println("Details of the customer are : \n" + cus_name
          +acc_num + acc_type);
 } }
class cust_acct extends account
{ int amt, balance;
cust_acct (String cus_name, int acc_num, String acc_type)
 { super (cus_name, acc_num, acc_type);
 }
   void display () {
Scanner in = new Scanner (System.in);
System.out.println ("Checkbook facility available");
System.out.println ("Enter intial amount:");
   balance = in.nextInt ();
System.out.println ("press 1 for withdrawal \n press
   2 for deposit");
   int choice = in.nextInt ();
```

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```
if (choice == 1)
{ System.out.println("enter the amount to be withdrawn:");
  amt = in.nextInt();
  System.out.println("withdrawal of amount "+amt+" was
                      successful");
  balance = balance - amt;
  System.out.println("Remaining balance: "+balance);
}
  else if (choice == 2)
System.out.println("Enter the amount to be added:");
  amt = in.nextInt();
  System.out.println("Amount "+amt+"added Successfully");
    balance = balance+amt;
System.out.println("Remaining balance:"+balance);
  }
  if (balance < 1000)
{ balance = balance - 100;
System.out.println("Service charge of Rs.100 is imposed \n
    remaining balance:"+balance);
} } }
class sav_acct extends account {
int amt, balance;
sav_acct(String cus_name, int acc_num, String acc_type)
{
  super(cus_name, acc_num, acc_type);
}
  void display()
{
  Scanner in = new Scanner(System.in);
  System.out.println("Checkbook facility not Available");
  System.out.println("enter intial amount:");
    balance = in.nextInt();
```

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```
System.out.println("press 1 for withdrawal \n press 2 for deposit");
int choice = in.nextInt();
if (choice == 1)
{ System.out.println("enter the amount to be withdrawn :");
  amt = in.nextInt();
System.out.println("withdrawal of amount "amt" was successful");
  balance = balance - amt;
System.out.println("Remaining balance :"+balance);
}
else if (choice == 2)
{ System.out.println("enter the amount to be added:");
  amt = in.nextInt();
System.out.println("amount "amt"added successfully");
  balance = balance + amt;
System.out.println("Remaining balance:"+balance);
}
if (balance < 1000) {
  balance = balance - 100;
System.out.println("Service charge of Rs 100 is imposed \n
  remaining balance :" +balance); }
Double interest = (balance * 1 * 5) / 100;
System.out.println("the interest for 1 year is "+interest);
}}
public class lab4_bank {
public static void main (String args[]) {
  Scanner in = new Scanner(System.in);
for(;;) {
System.out.println("enter customer name :");
  String name = in.nextLine();
System.out.println("Enter account type :");
  String type = in.nextLine();
```

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```
System.out.println("enter account No:");
int num = in.nextInt();
account acc = new account(name, num, type);
Curr_acct curr = new curr_acct(name, num, type);
Savi_acct sav = new sav_acct(name, num, type);
account ac;
  acc.display();
  if (type.equals("current"))
{
  ac = curr;
  ac.display();
}
  else if (type.equals("savings"))
{
  ac = sav;
  ac.display();
  }
  }
  }
  }
```