Lab -5

①
```
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 curr_acct extends account
{ int amt, balance;
curr_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 ();
```

```java
        if (choice == =1)
        { System.out.print ln (" enter the amount to be withdrawn:");
        amt = in. nextInt ();
        System. out. print ln (" withdrawl of amount "+amt+" was
                    successful");
            balance = balance - amt;
            System. out print ln (" 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 Succesfully");
            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 in
            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 ();
```

```java
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{ System.out.println("enter the amount to be withdrawn : ");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(" withdrawl 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();
```

```java
System.out.println(" enter account No : ");
int num = in.nextInt();
account acc = new account (name, num, type);
Cuss_acct curr = new cure_acct (name, num, type);
Sav_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 ();
    }
    }
    }
    }
```