LAB PROGRAM-5

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```
import java.util.*;
class account{
string customer_name;
int acount_number;
string account_type;
}
class curr_acct extends account{
Scanner x=new Scanner(System.in);
double temp=0.0;
double amount=0.0;
double fine=0.0;
double min_amount=1000.0;
void getdetails(){
customer_name=x.nextline();
account_number=x.nextint();
}
void deposit(){
System.out.print("Enter the deposit amount:");
temp=x.nextDouble();
amountt=temp;
}
void showbalance(){
if(amountt>=min_amount){
System.out.println("Balance is:
"+amount);
}
else{
```

```
fine = (amount * 11.0 * 10) /100;
amount -= fine;
system.out.println("the fine imposed;
" + fine);
system.out.println("Balance is: " + amount);
}
}
void withdraw() {
system.out.print("Enter the withdrawal amount:");
temp = x.nextDouble();
amount -= temp;
}
}
class sav_acct extends account{
scanner x = new scanner(system.in);
double temp = 0.0;
double amount = 0.0;
double interest = 0.0;
void get details() {
customer_name = x.nextline();
account_number = x.nextInt();
}
void deposit() {
system.out.print("Enter the deposit amount:");
temp = x.nextDouble();
amount += temp;
}
```

```
void showbalance(){
 System.out.print("Balance is : "+amount);
}
 void withdrawal(){
System.out.print("Enter the withdrawal amount:");
 temp =x.next Double();
  amount- = temp;
}
void interest(){
interest =(amount* 1.0* 3)/100;
 amount+ = interest;
system.out.println("interest added: "+ interest);
 System.out.println("Balance is: " +amount);
}
}
public class main{
```

```
public static void main(String []args){
  int opt=0;
  String type=null;
  Scanner x=new Scanner(System.in);
  System.out.println("welcome to the bank service");
  System.out.println("Enter the the of account
                      (curr_acct/sav_acct)");

    type=x.nextLine();
    if(type.equals("curr_acct")){
     curr_acct a=new curr_acct();
    System.out.println("Enter the coustomer_
  name,account_number;");
        a.getdetails();
        while(true){
  System.out.println("press 1: Accept deposit
and update the balance");
    System.out.println("press 2: Display the
balance");
  System.out println("press 3: withdrawal and
  update the balance");
    System.out.print("Enter option:");
     opt=x.nextInt();
    switch(opt){
   case 1: a.deposit();
      a.showbalance();
         break;
   case 2: a,showbalance();
      break;
```

```
case 3: a.withdrawal();
        a.showbalance();
        break;
}
}
}
if(type.equals("sav_acct")){
 sav_acct a=new sav_acct();
System.out.println("Enter the customer_name,account_number
a.getdetails();
while(true){
 System.out.println("press1: Accept deposit and update the
balance");
 system.out.println("press 1: Accept deposit and update
the balance");
 system.out.println("press 2: Display the balance");
 System.out.println("press 3: compute and deposit interest");
system.out println("press 4: withdrawal and update the
balance");
 System.out.print("Enter option:");
  opt=x.nextint();
 switch(opt){
case1: a.deposit();
       a.showbalance();
       break;
```

```
case 2 : a.showbalance();
         break;

case 3 : a.interest();
    a-showbalance();
      break;

case4 : a withdrawal();
        a.showbalance();
        break;
  }
 }
 }
 }
}
```