lab 5

```
import java.util.*;
class account {
    String Customer_name;
    int account_number;
    String account_type;
}
class curr_acct extends account{
    Scanner x = new Scanner(System.in);
    double temp = 0.0;
    double amount = 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();
        amount += temp;
    }
    void showbalance() {
        if(amount >= min_amount){
            System.out.println("Balance is
                                : " + amount);
        }
        else {
            fine = (amount * 1.0 * 10)/100;
            amount -= fine;
```

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        System.out.println("the fine imposed:"
                                        +fine);
        System.out.println("Balance is :"+amount);
    }
}
void withdrawal(){
    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 getdetails(){
        Customer_name=x.nextLine();
        account_number=x.nextInt();
    }
    void deposit(){
        System.out.println("Enter the
                        amount : ");
        temp=x.nextDouble();
        amount+=temp;
    }
    void showbalance(){
        System.out.println("Balance is :"
                                        +amount);
    }
```

```
Void withdrawall{
    System.out.print("Enter the withdrawal
                        amount :");
    temp= x.nextDout();
    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 type
                        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: Accepts
detail deposit & Rate the balance");
System.out.println("press 2: display
the balance");
System.out.println("press 3: withdrawal
and update the balance");
System.out.println("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("press 1:
    Accept deposit and update balance");
```

```
System.out.println("press 2: display
        the balance ");
System.out.println("press3 : Compute
        and deposit interest");
System.out.println("press4:
  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.intrest();
           a.showbalance();
           break;
  case 4 : a.withdrawal();
           a.showbalance();
           break;
}
}
}
}
```