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OOJ
LAB-5

URBAN EDGE

```
import java.util.*;
class account {
    String customer_name;
    int account_number;
    string account_type;
}

class curr_acct extende account {
    Scanner x = new scanner (system.in);
    double temp = 0.0;
    double amount = 0.0;
    double fine = 0.0;
    double minimum amount = 1000.0;
}

void get details () {
    customer_name = x.nextline ();
    account_number = x.next Int ();
}

void deposit () {
    system.out.println ("Enter the deposit amount:");
    temp = x.next Double ();
    amount += temp;
}

void showbalance () {
    if (amount >= min_amount) {
        system.out.println ("Balance is: " + amount);
}
```

```
else {
 fine = (amount * 1.0 * 10) / 100;
amount - = fine;
system.out.println ("the fine imposed : " + fine);
 system.out.println ("Balance is : " + amount);
}
}
}

void withdrawal () {
system.out.println ("Enter the withdrawal amount:");
temp = x. nextDouble ();
amount - = temp;
}
}
}

class sav_account 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.next Int ();
}

void showbalance () {
System.out.println ("Balance is : " + amount);
}

void withdrawal. (). {
```

```
System.out.println("Enter the withdrawal amount:");
temp = x.nextDouble();
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 customer_name,
                    account_number:");
a.get details();
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.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 details and
                    update the balance");
system.out.println("press 2: Display the amount");
System.out.println("press 3: Compute and deposit
                    interest");
system.out.println("press 4: Withdrawal and
                    update the balance");
System.out.println ("Enter Option:");
opt = x.nextline();
```

```
switch (opt) {
case 1: a.deposit();
        a.showbalance();
        break;
case 2: a.showbalance();
        break;
Case 3: a.interest();
        a.showbalance();
        break;
case 4: a.withdrawal();
        a.showbalance();
        break;
            }
        }
    }
  }
}
```