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LAB-5

~~import~~

Develop a Java program to create a class Bank and respective subclasses Savings and Current account.

```
import java.util.*;
class Bank
{
    Scanner s=new Scanner(System.in);
    String customer;
    String accno;
    void get()
    {
        System.out.println("Enter customer name:");
        customer = s.next();
        System.out.println("Enter account number:");
        accno = s.next();
    }
}

class Cur_acct extends Bank
{
    double bal = 0;
    double dep;
    void issue_cheque()
    {
        System.out.println("Cheque book issued");
    }
```

```
    void deposit1()
    {
        System.out.println("Enter the amount
            to be deposited: ");
        dep = s.nextInt();
        bal += dep;
    }
    void check()
    {
        if(bal < 1000)
        {
            System.out.println("Minimum
                balance must be 1000");
            bal = bal - 5;
            System.out.println("Service charges
                imposed");
        }
    }
    void display()
    {
        System.out.println("Balance = " + bal);
    }
}

class Sav_acct extends Bank
{
    double bal=0;
    double dep, draw;
    void deposit2()
    {
        System.out.println("Enter the amount to
            be deposited: ");
```

```
        dep = s.nextInt();
        bal += dep;
    }
    void withdraw()
    {
        System.out.println("Enter the amount
                of withdrawal :");
        draw = s.nextInt();
        bal -= draw;
    }
    void compute_interest()
    {
        bal = bal + (0.06 * bal);
        System.out.println("Current balance ="
                + bal);
    }
}

class Account
{
    public static void main(String args[])
    {
        int ch, type;
        Scanner sc = new Scanner(System.in);
        Bank b = new Bank();
        b.get();
        Curr_acct c = new Cur_acct();
        Sav_acct a = new Sav_acct();
        System.out.println("Enter the account
            type (1.savings / 2.current) : ");
        type = sc.nextInt();
```

```
if (type==1)
{
    do
    {
        System.out.println("--Main menu--");
        System.out.println("1. Deposit
        2. Withdrawal 3. Compute Interest
        4. Exit ");
        System.out.println("Enter your choice:");
        ch=sc.nextInt();
        switch(ch)
        {
            case 1:
                a.deposit2();
                break;
            case 2:
                a.withdraw();
                break;
            case 3:
                a.compute_interest();
                break;
        }
    }while(ch!=4);
    System.out.println("Exited");
}

else
{
    do
    {   System.out.println(" 1. Deposit 2. Cheque
        issue 3. Display 4. Exit ");
        System.out.println("Enter your choice:");
```

```
ch = sc.nextInt();
switch(ch)
{
    case 1:
        c.deposit1();
        break;
    case 2:
        c.issue_cheque();
        break;
    case 3:
        c.display();
        c.check();
        break;
    }
}while(ch!=4);
System.out.println("Exited");
}
}
```

OUTPUT :-

```
Enter customer name:
Ranjan
Enter account number:
5785473
Enter the account type (1.savings/2.current):
1
--Main menu--
1.Deposit 2.Withdrawal 3.Compute Interest 4.Exit
Enter your choice: 1
Enter the amount to be deposited: 5000
```

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--Main menu--
1. Deposit 2. Withdrawal 3. Compute Interest 4. Exit
Enter your choice : 2
Enter the amount of withdrawal :
200
--Main menu--
1. Deposit 2. Withdrawal 3. Compute Interest 4. Exit
Enter your choice : 3
Current balance = 5088.0
--Main menu--
1. Deposit 2. Withdrawal 3. Compute Interest 4. Exit
Enter your choice : 4
Exited