

9/01/24

LAB 5

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Date:

Page:

```
import java.util.Scanner
```

```
class Account
```

```
{
```

```
    String custum_name;
```

```
    String acc_no;
```

```
    String acc_type;
```

```
    Scanner s = new Scanner(System.in);
```

```
    void get()
```

```
    {
        System.out.println("Enter customer name:");
        custum_name = s.next();
```

```
        System.out.println("Enter account number:");
        acc_no = s.next();
```

```
    }
```

```
    void get1()
```

```
    {
        System.out.println("Enter the type of the account\n1: Savings\n2: Current account\n");
```

```
        acc_type = s.nextInt();
    }
```

```
class Cur_acc extends Account
```

```
{
```

```
    double balance = 0;
```

```
    double deposit;
```

```
    void cheque()
```

```
    {
```

```
        System.out.println("Enter the amount to  
be issued in cheque.\n");
```

```
        s.nextInt();
```

```
    }
```

```
void deposit()
```

```
{  
    System.out.println("Enter the amount to  
    be deposited \n");
```

```
    deposit = s.nextInt();
```

```
    System.out.println("The amount is +  
    deposit + " is deposited successfully");  
}
```

```
void balance() ch-bal()
```

```
{  
    if (balance <= 500)
```

```
    {  
        System.out.println("Balance is less  
        than minimum balance. \n");
```

```
        balance = balance - 5;
```

```
        System.out.println("Semi Balance  
        after applying service charges is"  
        + balance);  
    }
```

```
    else
```

```
    {  
        System.out.println("The balance  
        amount is " + balance);  
    }
```

```
}
```

```
class Sav-act extends Account
```

```
{
```

```
    double balance = 0;
```

```
    double deposit, withdraw;
```

```
    Scanner s1 = new Scanner(System.in);
```



```
void deposit()
```

```
{  
    System.out.println("Enter the amount to  
    be deposited");
```

```
    deposit = sc.nextInt();
```

```
    System.out.println("The amount is deposit  
    -ed successfully\n");    balance = balance + deposit;  
}
```

```
void withdraw()
```

```
{  
    System.out.println("Enter the amount  
    to be withdrawn\n");
```

```
    withdraw = sc.nextInt();
```

```
    System.out.println("The amount is  
    withdrawn successfully\n");
```

```
    balance = balance - withdraw;
```

```
    System.out.println("The balance amount  
    is " + balance);
```

```
}
```

```
void comp-interest()
```

```
{  
    System.out.println("The balance amount  
    before applying interest is " + balance);
```

```
    balance = balance + balance * (0.06);
```

```
    System.out.println("The balance after  
    applying interest is " + balance);
```

```
}
```

```
}
```

```
class Bank
```

```
{
```

```
    public static void main(String args[])
```

```
    {  
        Scanner sc = new Scanner();
```

```
        int ch;
```

```
        sav-act a = new sav-act();
```

```
(cur-acc b = new Cur-acc());  
b.get();  
b.get1();  
do  
{
```

```
System.out.println("Enter the choice  
do\n 1:  
{  
if (acc-type == 1)
```

```
System.out.println(" --- Menu ---");  
System.out.println("Enter the choice  
1: Deposit\n 2: withdrawal\n 3: Compute  
Interest);  
ch = sc.nextInt();
```

```
Switch(ch)  
{
```

```
case 1: a.deposit();  
break;
```

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

```
Case 3: a.comp-interest();  
break;
```

```
}
```

```
else  
{
```

```
System.out.println(" --- Menu  
--- \n");
```

```
System.out.println("Enter the  
choice\n 1: Deposit\n 2: cheque\n 3: check balance\n");
```



```
ch = sc.nextInt();
```

```
Switch(ch)
```

```
{
```

```
Case 1: b.deposit();
```

```
break;
```

```
Case 2: b.chaque();
```

```
break;
```

```
Case 3: b.ch_bal();
```

```
break;
```

```
}
```

```
} while(ch != 4);
```

```
} while(ch != 3);
```

at:

Enter customer name:

Preeti

Enter account number:

02153

Enter the account type

1. Savings

2. Current account

1

--- Main menu ---

1 Dep Enter the choice

1. Deposit

2. Withdrawal

3. Compound Interest

1

Enter the amount to be deposited: 2000

Amount 2000 is deposited Successfully.

```

ch = sc.nextInt();

Switch(ch)
{
    case 1: b.deposit();
            break;
    case 2: b.chaque();
            break;
    case 3: b.ch_bal();
            break;
}

} while (ch != 4);
b.get1() } while (ch != 3);
}

```

Output:

Enter customer name:

Preeti

Enter account number:

02153

Enter the account type

1. Savings

2. Current account

1.

--- Main menu ---

1 Dep Enter the choice

1. Deposit

2. withdrawal

3. Compound Interest.

1

Enter the amount to be deposited: 2000

Amount 2000 is deposited successfully.

Enter the account type.

1. Savings
2. Current account
2. Current

-- Main menu --

1. Deposit
2. cheque issue
3. check balance
- 1.

Enter the amount to be deposited
2000

Amount 2000 is deposited successfully.

--- Main menu ---

1. Deposit
2. cheque issue
3. check balance
- 2.

The balance amount is 2000.

--- Main menu ---

1. Deposit
2. cheque issue
3. check balance
- 4.

✓
✓
✓
✓