

Ques 15:

```
import java.util.*;
class Account {
```

```
    Scanner in = new Scanner (System.in);
    String customer_name, type_of_account;
    long account_number;
    double balance = 9000.0;
```

```
    void accept() {
        System.out.println ("Enter customer name");
        customer_name = in.nextLine();
        System.out.println ("Enter Account number");
        account_number = in.nextLong();
    }
}
```

```
    void deposit() {
        int dep;
        System.out.println ("Enter the amount to be deposited");
        dep = in.nextInt();
        balance += dep;
        System.out.println ("Balance = " + balance);
    }
}
```

```
    void withdrawal() {
        int withdra;
        System.out.println ("Enter the withdraw amount");
        withdra = in.nextInt();
        balance -= withdra;
        System.out.println ("Balance = " + balance);
    }
}
```

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```

class CurrAct extends Account {
    void penalty () {
        if (balance < 1000) {
            balance -= 100;
            System.out.println ("100 penalty for less than minimum");
            System.out.println ("Balance = " + balance);
        }
    }
}

```

```

class SavAct extends Account {
    void interest () {
        double i;
        i = balance * 0.02;
        balance += i;
        System.out.println ("Interest = " + i);
        System.out.println ("Total balance = " + balance);
    }
}

```

```

class Bank {
    public static void main (String args[]) {
        Scanner in = new Scanner (System.in);
        CurrAct c = new CurrAct();
        SavAct s = new SavAct();
        System.out.println ("Enter your choice \n 1. Saving account\n 2. Current account");
        int choice = in.nextInt();
        if (choice == 2) {
            c.Accept();
            System.out.println ("Enter your choice \n 1. Deposit \n 2. Withdraw");
        }
    }
}

```



```
int n = in.nextInt();
```

```
switch (n) {
```

```
case 1: {
```

```
    c.deposit();
```

```
    break;
```

```
case 2: {
```

```
    c.withdrawal();
```

```
    c.penalty();
```

```
    break;
```

```
default: System.out.println("Wrong choice");
```

```
}
```

```
if (choice == 1) {
```

```
    s.Accept();
```

```
System.out.println("Enter your choice, 1. Deposit 2. Withdrawals");
```

```
int n = in.nextInt();
```

```
switch (n) {
```

```
case 1: {
```

```
    s.deposit();
```

```
    s.interest();
```

```
    break;
```

```
case 2: {
```

```
    s.withdrawal();
```

```
    break;
```

```
default: System.out.println("Wrong choice");
```

```
}
```

```
}
```

```
}
```