

LAB PROGRAM-5

```
import java.util.Scanner;
import java.lang.Math;
class bank {
    String name;
    int acc_no;
    float bal, si;
    Scanner scan = new Scanner(System.in);
    void accept() {
        System.out.println("Enter name:");
        name = scan.next();
        System.out.println("Enter acc. no");
        acc_no = scan.nextInt();
        System.out.println("Enter balance");
        bal = scan.nextFloat();
    }

    void display() {
        System.out.println("Name" + name + "\n Account no: " + acc_no + "\n\n"
            + "Balance: " + bal);
    }

    void deposit() {
        System.out.println("Enter amount to be deposited:");
        int amt = scan.nextInt();
        bal = bal + amt;
        System.out.println("Available balance = " + bal);
    }
}

class savings extends bank {
    void cheque() {
        System.out.println("No cheque service");
    }
}
```

```

void simple_interest() {
    System.out.println("\nEnter rate, no. of times interest
        applied, time elapse");
    int r = scan.nextInt();
    int n = scan.nextInt();
    int t = scan.nextInt();
    si = bal * (1 + r/n);
    System.out.println("Interest = Rs" + (Math.pow(si, n*t)));
}

```

```

void withdrawal() {
    float amount;
    System.out.println("No minimum balance required \n
        Enter the amount to withdraw");
    amount = scan.nextFloat();
    if (amount > bal)
        System.out.println("Insufficient balance");
    else {
        bal = bal - amount;
        System.out.println(amount + " withdrawn \n Available
            balance = " + bal);
    }
}

```

```

}

```

```

class current extends bank {
    float service_charge = 100;

    void cheque() {
        System.out.println("\nCheque service not available");
    }

    void withdrawal() {
        float amount;
    }
}

```



```

        System.out.println("Minimum balance = Rs 1000.00" + "\n Enter
        the amount to be withdrawn");
        amount = scan.nextFloat();
        if (amount > bal)
            System.out.println("Balance is insufficient");
        else {
            bal = bal - amount;
            if (bal < 1000) {
                bal = bal - service_charge;
                System.out.println("Service charge of Rs" +
                service_charge + " is added. \n Available
                balance = " + bal);
            }
            else {
                System.out.println(amount + " withdrawn \n Available
                balance = " + bal);
            }
        }
    }
}
}
}
}

```

```

public class Main {
    public static void main (String [] args) {
        savings obj1 = new savings();
        current obj2 = new current();
        System.out.println("1. Savings \n 2. Current \n Enter your
        choice:");
        Scanner scan = new Scanner(System.in);
        int ch = scan.nextInt();
        switch (ch) {
            case 1: obj1 = new savings();
                    obj1.accept();
                    obj1.display();

```

```
obj1. cheque();  
obj1. deposit();  
obj1. simple-interest();  
obj1. withdrawal();  
break;
```

```
case 2: obj2 = new current();  
obj2. accept();  
obj2. display();  
obj2. cheque();  
obj2. deposit();  
obj2. withdrawal();  
break;
```

```
default: System.out.println("Invalid Input");
```

```
}
```

```
}
```

```
}
```