```java
import java.util.*;

public class Main {

    static int factorial(int a)
    {
        int res = 1;
        for (int m = 2; m <= a; m++)
        res *= m;
        return res;
    }

    static double sum(int a)
    {
        double sum = 0;
        for (int m = 1; m <= a; m++)
            sum += 1.0/factorial(m);
        return sum;
    }

    public static void main (String[] args)
    {
        System.out.println("Author:M.bharath\nSA
        int a = 5;
        System.out.println(sum(a));
    }
}
```
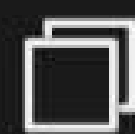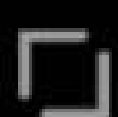
✕     Terminal

Author:M.bharath
SAP ID:51834556
1.7166666666666668

Process finished.

```java
5    private String move_name;
6    private String thetre_name;
7
8    private int cost;
9
10   void movies() {
11
12       System.out.println("the movies available a
13       System.out.println(" 1.jumanji -------- Rs
14
15
16   }
17
18
19
20 ss thea extends BookMyshow {
21 vate int no_f_tickets;
22  void th() {
23       System.out.println("*******the theaters av
24       int k;
25       int an;
26       Scanner sc = new Scanner(System.in);
27       int n = sc.nextInt();
28       if (n == 1) {
29           System.out.println("*******Jagadamba t
30           System.out.println("*******select a mo
31           System.out.println("movie available ar
32           Scanner a = new Scanner(System.in);
33           int o = a.nextInt();
34           if (o == 1) {
35               System.out.println("jumanji movie
36               System.out.println("enter the numb
37               Scanner j = new Scanner(System.in)
38               int r = j.nextInt();
39               int left= no_f_tickets-r;
40               int amount=40*r;
41               System.out.println("to continue to
42               Scanner d = new Scanner(System.in)
43               int h = d.nextInt();
44               System.out.println("\n\n\n");
45               if (h == 1) {
                     System.out.println("****
                     System.out.println("thea
                     System.out.println("movi
```

```
Author:M.bharath
SAP ID:51834556
1.list of movies and their prices
2.acces and book tickets through theaters
2
*******the theaters available are*******
 1.Jagadamba  th
 2.Melody th
1
*******Jagadamba theater*******
*******select a movie*******
movie available are
 1.jumanji
 2.DIl Bechara
1
jumanji movie @ kaurnya theater
enter the number of tickets to be booked
3
to continue to book for this movie prees 1
1



*******************************************
theater ------------------- Jagadamba  the
movie -------------------- Sahoo
cost -------------------- Rs.120
*******************************************

Process finished.
```

```java
import java.util.*;

public class Main
{

    static int summation(int a)
    {
        System.out.println("Author:M.bharath\nSA
        int sum = 0, y = 1;
        for (int x = 1; x <= a; x++)
        {
            sum = sum + y;
            y = (y * 10) + 1;
        }

        return sum;
    }

    public static void main(String args[])
    {
        int a = 5;
        System.out.println(summation(a));
    }
}
```
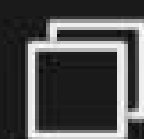
✕    Terminal

```
Author:M.bharath
SAP ID:51834556
12345

Process finished.
```