



Jyothik.java



Saved

```
1 import java.util.*;
2
3 public class Main
4 {
5
6     static int summation(int a)
7     {
8         System.out.println("Author:A.jyothik\nSAP ID:51834611\n12345");
9         int sum = 0, y = 1;
10        for (int x = 1; x <= a; x++)
11        {
12            sum = sum + y;
13            y = (y * 10) + 1;
14        }
15
16        return sum;
17    }
18
19    public static void main(String args[])
20    {
21        int a = 5;
22        System.out.println(summation(a));
23    }
24 }
```



Terminal



```
Author:A.jyothik
SAP ID:51834611
12345
```

```
Process finished.
```



Jyothik 1.java



Saved

```
1 import java.util.*;
2
3 public class Main {
4
5     static int factorial(int a)
6     {
7         int res = 1;
8         for (int m = 2; m <= a; m++)
9             res *= m;
10        return res;
11    }
12
13    static double sum(int a)
14    {
15        double sum = 0;
16        for (int m = 1; m <= a; m++)
17            sum += 1.0/factorial(m);
18        return sum;
19    }
20
21    public static void main (String[] args)
22    {
23        System.out.println("Author:A.jyothik\nSA
24        int a = 5;
25        System.out.println(sum(a));
26    }
27 }
```



Terminal



```
Author:A.jyothik
SAP ID:51834611
1.7166666666666668
```

```
Process finished.
```





Jyothik 2.java



Saved

```

1  import java.util.Scanner;
2
3  class BookMyshow {
4
5      private String movie_name;
6      private String theatre_name;
7
8      private int cost;
9
10     void movies() {
11
12         System.out.println("the movies available are");
13         System.out.println("1.Sahoo ----- Rs 180");
14
15     }
16 }
17
18 }
19
20 class thea extends BookMyshow {
21 private int no_f_tickets;
22     void th() {
23         System.out.println("*****the theaters");
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");
30             System.out.println("*****select a movie");
31             System.out.println("movie available");
32             Scanner a = new Scanner(System.in);
33             int o = a.nextInt();
34             if (o == 1) {
35                 System.out.println("Sahoo movie");
36                 System.out.println("enter the no of tickets");
37                 Scanner j = new Scanner(System.in);

```



Terminal



Author:A.jyothik

SAP ID:51834611

1.list of movies and their prices

2.access and book tickets through theaters

1

the movies available are

1.Sahoo ----- Rs 180