

```
1 import java.util.*;
2
3 public class Main
4
5
6     static int summation(int a)
7     {
8         System.out.println("Author:m.bhanu\nSAP ID:51834768\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



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SAP ID:51834768
12345

Process finished.

```

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:M.bhanu\nSAP ID:
24         int a = 5;
25         System.out.println(sum(a));
26     }
27 }

```

× Terminal



```

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1.7166666666666666

```

Process finished.

```
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.1000");
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 available are");
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 theatre");
30             System.out.println("*****select a movie");
31             System.out.println("movie available are");
32             Scanner a = new Scanner(System.in);
33             int o = a.nextInt();
34             if (o == 1) {
35                 System.out.println("Sahoo movie @ Rs.1000");
36                 System.out.println("enter the number of tickets");
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 next movie press 2");
42             }
43         }
44     }
45 }
```

× Terminal



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1.list of movies and their prices

2.access and book tickets through theaters