

```

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 \n 2.DIL
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 theater*****
30             System.out.println("*****select a movie*****")
31             System.out.println("movie available are \n 1.Sahoo
32             Scanner a = new Scanner(System.in);
33             int o = a.nextInt();
34             if (o == 1) {
35                 System.out.println("Sahoo movie @ kaurnya thea
36                 System.out.println("enter the number of ticket
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 book for th
42                 Scanner d = new Scanner(System.in);
43                 int h = d.nextInt();
44                 System.out.println("\n\n\n");
45                 if (h == 1) {
46                     System.out.println("*****
47                     System.out.println("theater -----
48                     System.out.println("movie -----
49                     System.out.println("cost -----

```

✕ Terminal



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question 1

1. list of movies and their prices





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question 1

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.Sahoo

2.Dil Bechara

2

Dil Bechara @Jagadamba theater

enter the number of tickets to be booked

1

to continue to book for this movie press 1

1

\*\*\*\*\*

theater ----- Jagadamba theater

movie ----- staurt little

cost ----- Rs50

\*\*\*\*\*

Process finished.

```
1 import java.util.*;
2
3 public class Main
4 {
5
6     static int summation(int a)
7     {
8         System.out.println("Author:A.swathi \nSAP ID:51834629"
9         System.out.println("question 5");
10        int sum = 0, y = 1;
11        for (int x = 1; x <= a; x++)
12        {
13            sum = sum + y;
14            y = (y * 10) + 1;
15        }
16
17        return sum;
18    }
19
20    public static void main(String args[])
21    {
22        int a = 5;
23        System.out.println(summation(a));
24    }
25
```

× *Terminal*



```
Author:A.swathi
SAP ID:51834629
question 5
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:A.swathi \nSAP ID:51834629"
24        System.out.println("question 4");
25        int a = 5;
26        System.out.println(sum(a));
27    }
28 }

```

✕ *Terminal*



```

Author:A.swathi
SAP ID:51834629
question 4
1.7166666666666668
Process finished.

```