

```
1  import java.util.Scanner;
2
3  class BookMyshow {
4
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 are");
13         System.out.println(" 1.saira ----- Rs.180 \n 2.DIl Bechara - Rs.150 \n 3.Extractio
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***** \n 1.Jagadamba th \n 2.");
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("*****Apsara theater*****");
30             System.out.println("*****select a movie*****");
31             System.out.println("movie available are \n 1.Sahoo \n 2.Dil Bechara ");
32             Scanner a = new Scanner(System.in);
33             int o = a.nextInt();

```

```

34     if (o == 1) {
35         System.out.println("Sahoo movie @ Apsara theater");
36         System.out.println("enter the number of tickets to be booked");
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 this movie prees 1");
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 ----- Jagadamba theater");
48             System.out.println("movie ----- Sahoo");
49             System.out.println("cost ----- Rs."+amount);
50             System.out.println("*****");

```

```

51     }
52
53 }
54 if (o == 2) {
55     System.out.println("Dil Bechara @Apsara theater");
56     System.out.println("enter the number of tickets to be booked");
57     Scanner j = new Scanner(System.in);
58     int r = j.nextInt();
59     int left= no_f_tickets-r;
60     int amount=50*r;
61     System.out.println("to continue to book for this movie prees 1");
62     Scanner d = new Scanner(System.in);
63     int h = d.nextInt();
64     System.out.println("\n\n\n");
65     if (h == 1) {
66         System.out.println("*****");
67         System.out.println("theater ----- Jagadamba theater");

```

```

67         System.out.println("theater ----- Jagadamba theater");
68         System.out.println("movie ----- staurt little");
69         System.out.println("cost ----- Rs"+amount);
70         System.out.println("*****");
71     }
72 }
73 }
74 }
75 }
76 if (n == 2) {
77     System.out.println("*****Melody theater*****");
78     System.out.println("*****select a movie*****");
79     System.out.println("movie available are \n 3.Extraction movie \n 4.fun movie");
80     Scanner b = new Scanner(System.in);
81     int p = b.nextInt();
82     Scanner a = new Scanner(System.in);
83     int q = a.nextInt();
84     {

```

```

83     int o = a.nextInt();
84     if (o == 1) {
85         System.out.println("Extraction movie @ Melody theater");
86         System.out.println("enter the number of tickets to be booked");
87         Scanner j = new Scanner(System.in);
88         int r = j.nextInt();
89         int left= no_f_tickets-r;
90         int amount=60*r;
91         System.out.println("to continue to book for this movie prees 1");
92         Scanner d = new Scanner(System.in);
93         int h = d.nextInt();
94         System.out.println("\n\n\n");
95         if (h == 1) {
96             System.out.println("*****");
97             System.out.println("theater ----- Melody theater");
98             System.out.println("movie ----- Extraction movie");
99             System.out.println("cost ----- Rs."+amount);

```

```

101     }
102
103 }
104 if (o == 2) {
105     System.out.println("fun little @Melody theater");
106     System.out.println("enter the number of tickets to be booked");
107     Scanner j = new Scanner(System.in);
108     int r = j.nextInt();
109     int left= no_f_tickets-r;
110     int amount=70*r;
111     System.out.println("to continue to book for this movie prees 1");
112     Scanner d = new Scanner(System.in);
113     int h = d.nextInt();
114     System.out.println("\n\n\n");
115     if (h == 1) {
116         System.out.println("*****");
117         System.out.println("theater ----- Melody theater");

```

```

118         System.out.println("movie ----- fun movie");
119         System.out.println("cost ----- Rs."+amount);
120         System.out.println("*****");
121     }
122 }
123 }
124 }
125 }
126 }
127 }
28
129 public class Main {
130
131     public static void main(String[] args) {
132         BookMyshow ob = new BookMyshow();
133
134         BookMyshow[] moviename = new BookMyshow[2];

```



```
135     moviename[0] = ob;
136     thea a = new thea();
137     moviename[1] = a;
138
139     System.out.println("Author:P.Kathyayani\nSAP ID:51834723");
140     System.out.println("1.list of movies and their prices\n2.acces and book tickets throug
141
142     Scanner d = new Scanner(System.in);
143     int h = d.nextInt();
144     switch (h) {
145         case 1: {
146             ob.movies();
147             break;
148         }
149         case 2: {
150
```

```
147         break;
148     }
149     case 2: {
150
151         a.th();
152     }
153 }
154
155 }
156
157 }
```

Author:P.Kathyayani

SAP ID:51834723

1.list of movies and their prices

2.acces and book tickets through theaters

1

the movies available are

1.saira ----- Rs.180

2.DIl Bechara - Rs.150

3.Extraction ---- Rs.190

4.Ala Vaikuntapuramlo ----- Rs.200

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:P.Kathyayani");
24        System.out.println("SAP ID:51834723");
25        int a = 7;
26        System.out.println(sum(a));
27    }
28 }
```

Author:P.Kathyayani  
SAP ID:51834723  
1.7182539682539684

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:P.Kathyayani")
9          System.out.println("SAP ID:51834723");
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 = 7;
23         System.out.println(summation(a));
24     }
25 }
```

Author:P.Kathyayani  
SAP ID:51834723  
1234567

Process finished.

# JAVA\_QUIZ\_DAY\_11

Attempts allowed: 1

This quiz opened at Thursday, 30 July  
2020, 3:00 PM

This quiz will close at Thursday, 30 July  
2020, 5:00 PM

Time limit: 30 mins

## SUMMARY OF YOUR PREVIOUS ATTEMPTS



	Marks /	Grade /	
State	20.00	10.00	Review
Finished	7.00	3.50	
Submitted			
Thursday, 30			
July 2020,			
3:38 PM			

YOUR FINAL GRADE  
FOR THIS QUIZ IS  
3.50/10.00.

No more attempts are allowed