

```

1 import java.util.Scanner;
2
3 class vishnutickets {
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.Sahoo -----
Rs.180 \n 2.DIL Bechara - Rs.150 \n 3.Extraction
---- Rs.190 \n 4.Ala Vaikuntapuramlo ----- Rs.
200 ");
14
15    }
16
17 }
18
19
20 class sruju extends Adityatickets {
21     private int no_f_tickets;
22     void th() {
23         System.out.println("**the theaters
available are** \n 1.Jagadamba th \n 2.Melody
th");
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 \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
@ kaurnya theater");
36                 System.out.println("enter the
number of tickets to be booked");

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37         Scanner j = new
Scanner(System.in);
38         int r = j.nextInt();
39         int left= no_f_tickets-r;
40         int amount=180*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
@Jagadamba 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=150*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");
68         System.out.println("movie

```



```

68         System.out.println("movie
|----- Dil Bechara");
69         System.out.println("cost
----- Rs"+amount);
70
71     System.out.println("*****");
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.Ala
vaikuntapuramalo movie");
80     Scanner b = new Scanner(System.in);
81     int p = b.nextInt();
82     Scanner a = new Scanner(System.in);
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=190*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

```

```

----- Extraction movie");
99 |         System.out.println("cost
----- Rs."+amount);
100
System.out.println("*****");
101     }
102
103     }
104     if (o == 2) {
105         System.out.println("Ala
vaikuntapuramalo @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=200*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
----- Ala vaikuntapuramalo
movie");
119             System.out.println("cost
----- Rs."+amount);
120
System.out.println("*****");
121         }
122
123     }
124 }
125
126 }
127 }
128
129 public class Main {
130
131     public static void main(String[] args) {

```

```

118 ----- Ala vaikuntapuramalo
movie");
119             System.out.println("cost
120 ----- Rs."+amount);
121 System.out.println("*****");
122     }
123     }
124     }
125     }
126     }
127 }
128
129 public class Main {
130
131     public static void main(String[] args) {
132         vishnuickets ob = new vishnutickets();
133
134         Adityatickets[] moviename = new
Adityatickets[2];
135         moviename[0] = ob;
136         sruju a = new sruju();
137         moviename[1] = a;
138
139         System.out.println("Author:B.Vishnu
priya \nSAP ID:51834736");
140         System.out.println("1.list of movies and
their prices\n2.acces and book tickets through
theaters");
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
151                 a.th();
152             }
153         }
154     }
155 }
156
157 }

```


Author:B.Vishnu Priya

SAP ID:51834736

1.list of movies and their prices

2.acces and book tickets through theaters

1

the movies available are

1.Sahoo ----- 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:B.vishnu priya\\n");
24         int a = 5;
25         System.out.println(sum(a));
26     }
27 }
```

Author:B.vishnu priya
SAP ID:518347363
1.7166666666666668

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:B.Vishnu priya
9 \nSAP ID:51834736");
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        return sum;
17    }
18
19    public static void main(String args[])
20    {
21        int a = 5;
22        System.out.println(summation(a));
23    }
24 }
```

Author: B. Vishnu priya
SAP ID: 51834736
12345

Process finished.

|