

```
1 import java.util.Scanner;
2
3 class Justtickets {
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.Gabbar singh -----");
14
15    }
16
17 }
18
19
20 class thea extends Justtickets {
21     private int no_f_tickets;
22     void th() {
23         System.out.println("*****the theaters available*****");
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("*****uv celolois*****");
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("Gabbar singh movie selected");
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=120*r;
41                 System.out.println("to continue type 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("*****theater*****");
```



```
35         System.out.println("Gabbar singh n
36         System.out.println("enter the numk
37         Scanner j = new Scanner(System.in)
38         int r = j.nextInt();
39         int left= no_f_tickets-r;
40         int amount=120*r;
41         System.out.println("to continue to
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 -----");
50             System.out.println("*****");
51         }
52     }
53     if (o == 2) {
54         System.out.println("mr.been @sai k
55         System.out.println("enter the num
56         Scanner j = new Scanner(System.in)
57         int r = j.nextInt();
58         int left= no_f_tickets-r;
59         int amount=110*r;
60         System.out.println("to continue to
61         Scanner d = new Scanner(System.in)
62         int h = d.nextInt();
63         System.out.println("\n\n\n");
64         if (h == 1) {
65             System.out.println("*****");
66             System.out.println("theater --");
67             System.out.println("movie ----");
68             System.out.println("cost -----");
69             System.out.println("*****");
70         }
71     }
72 }
73 }
74
75 }
76 if (n == 2) {
77     System.out.println("*****theater****");
78     System.out.println("*****select a mc
79     System.out.println("movie available ar
80     Scanner b = new Scanner(System.in);
81 }
```

```
64         System.out.println("\n\n\n");
65         if (h == 1) {
66             System.out.println("*****");
67             System.out.println("theater --");
68             System.out.println("movie ----");
69             System.out.println("cost -----");
70             System.out.println("*****");
71         }
72     }
73 }
74
75 }
76 if (n == 2) {
77     System.out.println("*****theater***");
78     System.out.println("*****select a mo");
79     System.out.println("movie available ar");
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 mov");
86         System.out.println("enter the num");
87         Scanner j = new Scanner(System.in);
88         int r = j.nextInt();
89         int left= no_f_tickets-r;
90         int amount=100*r;
91         System.out.println("to continue to");
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 --");
98             System.out.println("movie ----");
99             System.out.println("cost -----");
100            System.out.println("*****");
101        }
102    }
103 }
104 if (o == 2) {
105     System.out.println("jai @sai kartik");
106     System.out.println("enter the num");
107     Scanner j = new Scanner(System.in);
108     int r = j.nextInt();
109     int left= no_f_tickets-r;
```



```
93      Scanner d = new Scanner(System.in);
94      int h = d.nextInt();
95      System.out.println("\n\n\n");
96      if (h == 1) {
97          System.out.println("*****");
98          System.out.println("theater -");
99          System.out.println("movie ---");
100         System.out.println("cost ----");
101     }
102
103 }
104 if (o == 2) {
105     System.out.println("jai @sai kartik");
106     System.out.println("enter the number");
107 }
```

```
118     System.out.println("movie ----");
119     System.out.println("cost -----");
120     System.out.println("*****");
121 }
122 }
123 }
124 }
125 }
126 }
127 }
128
129 public class Main {
130
131     public static void main(String[] args) {
132         Justtickets ob = new Justtickets();
133
134         Justtickets[] moviename = new Justtickets[2];
135         moviename[0] = ob;
136         thea a = new thea();
137         moviename[1] = a;
138
139         System.out.println("name:-G.sravan\nsapid:");
140         System.out.println("1.list of movies and their cost");
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                 a.th();
151             }
152         }
153     }
154 }
155 }
156
157 }
```

name:-G.sravan
sapid:-51834566
1.list of movies and their prices
2.acces and book tickets through theaters
2
*****the theaters available are*****
1. uv celoloids
2. sai karthik
1
*****uv celoloids*****
*****select a movie*****
movie available are
1. Gabbar singh
2. mr.been
1
Gabbar singh movie @ kaurnya theater
enter the number of tickets to be booked
3
to continue to book for this movie press 1
1

theater ----- uv celoloids theater
movie ----- Gabbar singh
cost ----- Rs.360

```
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("name:-G.sravan\nsapid:-");
24        int a = 6;
25        System.out.println(sum(a));
26    }
27 }
```

X Terminal

```
name:-G.sravan
sapid:-51834566
1.7180555555555557
```

```
Process finished.
```

```
1 import java.util.*;
2
3 public class Main
4 {
5
6     static int summation(int a)
7     {
8         System.out.println("ne:-G.sravan\nsapid:-51834566");
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

```
ne:-G.sravan
sapid:-51834566
12345
```

```
Process finished.
```