

```

1 //1st answer
2
3 import java.util.*;
4
5 // Compiler version JDK 11.0.2
6
7
8 class BookMyshow {
9
10     private String movie_name;
11     private String theatre_name;
12
13     private int cost;
14
15     void movies() {
16
17         System.out.println("the movies available are");
18         System.out.println("1.RRR----- Rs.300 \n");
19
20     }
21
22 }
23
24
25 class thea extends BookMyshow {
26     private int no_f_tickets;
27     void th() {
28         System.out.println("\nThe theaters available are");
29         int k;
30         int a;
31         Scanner sc = new Scanner(System.in);
32         int n = sc.nextInt();
33         if (n == 1) {
34             System.out.println("\nAnapurna theater");
35             System.out.println("\nselect a movie:");
36             System.out.println("movie available are");
37             Scanner a = new Scanner(System.in);
38             int o = a.nextInt();
39             if (o == 1) {
40                 System.out.println("RRR movie - Rs.300");
41                 System.out.println("\nEnter the number of tickets you want to buy");
42                 Scanner j = new Scanner(System.in);
43                 int r = j.nextInt();
44                 int left = no_f_tickets - r;
45                 int amount = 300 * r;
46                 System.out.println("to continue to next movie press 1");
47                 Scanner d = new Scanner(System.in);
48                 int h = d.nextInt();
49                 System.out.println("\n\n\n");
50                 if (h == 1) {
51                     System.out.println("-----");
52                     System.out.println("the movies available are");
53                     System.out.println("movie available are");
54                     System.out.println("cost of movie");
55                 }
56             }
57         }
58     }
59 }

```





1stAnswer30_07_20.java



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```
47 Scanner d = new Scanner(System.in);
48 int h = d.nextInt();
49 System.out.println("\n\n\n");
50 if (h == 1) {
51     System.out.println("-----");
52     System.out.println("theater --");
53     System.out.println("movie ----");
54     System.out.println("cost ----");
55     System.out.println("-----");
56 }
57
58 }
59 if (o == 2) {
60     System.out.println("Dil Bechara -");
61     System.out.println("enter the num");
62     Scanner j = new Scanner(System.in);
63     int r = j.nextInt();
64     int left= no_f_tickets-r;
65     int amount=200*r;
66     System.out.println("to continue to");
67     Scanner d = new Scanner(System.in);
68     int h = d.nextInt();
69     System.out.println("\n\n\n");
70     if (h == 1) {
71         System.out.println("*****");
72         System.out.println("theater --");
73         System.out.println("movie ----");
74         System.out.println("cost ----");
75         System.out.println("*****");
76     }
77
78 }
79
80 }
81 if (n == 2) {
82     System.out.println(" Raja theater");
83     System.out.println("\nselect a movie:");
84     System.out.println("movie available ar");
85     Scanner b = new Scanner(System.in);
86     int p = b.nextInt();
87     Scanner a = new Scanner(System.in);
88     int o = a.nextInt();
89     if (o == 1) {
90         System.out.println("Extraction mov");
91         System.out.println("enter the num");
92         Scanner j = new Scanner(System.in);
93         int r = j.nextInt();
94         int left= no_f_tickets-r;
95         int amount=20*r;
96         System.out.println("to continue to");
97         Scanner d = new Scanner(System.in);
98         int h = d.nextInt();
99         System.out.println("\n\n\n");
100        if (h == 1) {
```





1stAnswer30_07_20.java



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```

91         System.out.println("enter the num");
92         Scanner j = new Scanner(System.in);
93         int r = j.nextInt();
94         int left= no_f_tickets-r;
95         int amount=20*r;
96         System.out.println("to continue to");
97         Scanner d = new Scanner(System.in);
98         int h = d.nextInt();
99         System.out.println("\n\n\n");
100        if (h == 1) {
101            System.out.println("*****");
102            System.out.println("theater --");
103            System.out.println("movie ----");
104            System.out.println("cost -----");
105            System.out.println("*****");
106        }
107
108    }
109    if (o == 2) {
110        System.out.println("The Dog - Raja");
111        System.out.println("enter the num");
112        Scanner j = new Scanner(System.in);
113        int r = j.nextInt();
114        int left= no_f_tickets-r;
115        int amount=200*r;
116        System.out.println("to continue to");
117        Scanner d = new Scanner(System.in);
118        int h = d.nextInt();
119        System.out.println("\n\n\n");
120        if (h == 1) {
121            System.out.println("*****");
122            System.out.println("theater --");
123            System.out.println("movie ----");
124            System.out.println("cost -----");
125            System.out.println("*****");
126        }
127
128    }
129 }
130
131 }
132 }
133
134 public class Main {
135
136     public static void main(String[] args) {
137         BookMyshow ob = new BookMyshow();
138
139         BookMyshow[] moviename = new BookMyshow[2];
140         moviename[0] = ob;
141         thea a = new thea();
142         moviename[1] = a;

```





1stAnswer30_07_20.java



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```
118         d.nextLine();
119         System.out.println("\n\n\n");
120         if (h == 1) {
121             System.out.println("*****");
122             System.out.println("theater --");
123             System.out.println("movie ----");
124             System.out.println("cost ----");
125             System.out.println("*****");
126         }
127     }
128 }
129 }
130 }
131 }
132 }
133
134 public class Main {
135
136     public static void main(String[] args) {
137         BookMyshow ob = new BookMyshow();
138
139         BookMyshow[] moviename = new BookMyshow[2];
140         moviename[0] = ob;
141         thea a = new thea();
142         moviename[1] = a;
143
144         System.out.println("Author:P.Hemanth\nSAP");
145         System.out.println("1.list of movies and t");
146
147         Scanner d = new Scanner(System.in);
148         String h = d.nextLine();
149         switch (h) {
150             case "ok": {
151                 ob.movies();
152                 break;
153             }
154             case "no": {
155
156                 a.th();
157             }
158         }
159     }
160 }
161
162 }
```



× Terminal



Author:P.Hemanth

SAP ID:51834553

1.list of movies and their prices

2.acces and book tickets through theaters

2

The theaters available are:

1.Anapurna

2.Raja

1

Anapurna theater

select a movie:

movie available are

1.RRR

2.Dil Bechara

1

RRR movie - Anapurna theater

enter the number of tickets you want:

2

to continue to booking for this movie press 1

1

```
-----  
theater ----- Anapurna theater  
movie ----- RRR  
cost ----- Rs.600  
-----
```

Process finished.





3rdAnswer30_07_20.java



Saved

```
1
2 //3rd answer
3
4 import java.util.*;
5
6 // Compiler version JDK 11.0.2
7
8 class Dcoder
9 {
10     public static void main(String args[])
11     {
12         Scanner sc=new Scanner(System.in);
13         System.out.println("author:P.Hemanth\nsap.id");
14         System.out.println("enter no. of players");
15         int size=sc.nextInt();
16         String arr[]=new String[size];
17
18         if(size<=0|| size>=5){
19             System.out.println("enter with in 1 and 4");
20             System.exit(0);
21
22         } else{
23
24             System.out.println("");
25         }
26
27         System.out.println("enter "+size+" names: ");
28         for(int i=0;i<size;i++){
29             arr[i]=sc.nextLine();
30         }
31     }
32 }
33
34
```



× Terminal



```
author:P.Hemanth
sap.id: 51834553
enter no. of players
2

enter 2 names:
hemu
mga

Process finished.
```



4thAnswer30_07_20.java



Saved

```
1 //4th answer
2
3 import java.util.*;
4
5 // Compiler version JDK 11.0.2
6
7 public class Main {
8
9     static int factorial(int a)
10    {
11        int res = 1;
12        for (int m = 2; m <= a; m++)
13            res *= m;
14        return res;
15    }
16
17    static double sum(int a)
18    {
19        double sum = 0;
20        for (int m = 1; m <= a; m++)
21            sum += 1.0/factorial(m);
22        return sum;
23    }
24
25    public static void main (String[] args)
26    {
27        Scanner sc=new Scanner(System.in);
28        System.out.println("Author:P.Hemanth\nSAP I
29        System.out.println("enter the number: ");
30        int number = sc.nextInt();
31        System.out.println("factorial of "+number
32        System.out.println(sum(number));
33    }
34 }
```



× Terminal



```
Author:P.Hemanth
SAP ID:51834553
enter the number:
3
factorial of 3 numbers are:
1.6666666666666667

Process finished.
```



5thAnswer30_07_20.java



Saved

```
1
2 //5th answer
3 import java.util.*;
4
5 // Compiler version JDK 11.0.2
6
7 public class Sum
8 {
9
10     static int summation(int a)
11     {
12
13         int sum = 0, y = 1;
14         for (int x = 1; x <= a; x++)
15         {
16             sum = sum + y;
17             y = (y * 10) + 1;
18         }
19
20         return sum;
21     }
22
23     public static void main(String args[])
24     {
25         Scanner sc=new Scanner(System.in);
26         System.out.println("author:P.Hemanth\nsap.i
27         System.out.println("enter the number: ");
28         int number =sc.nextInt();
29
30         System.out.println("after adding "+number+"
31         System.out.println(summation(number));
32     }
33 }
```



× Terminal



```
author:P.Hemanth
sap.id:51834553
enter the number:
5
after adding 5 numbers:
12345

Process finished.
```