```java
 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
13           System.out.println(" 1.penguin --------
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
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("*******devi priy
30               System.out.println("*******select a
31               System.out.println("movie available
32               Scanner a = new Scanner(System.in);
33               int o = a.nextInt();
34               if (o == 1) {
35                   System.out.println("penguin movi
36                   System.out.println("enter the nu
```
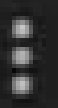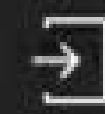
✕ Terminal ⧉

```java
1  import java.util.*;
2
3  public class Main
4  {
5
6      static int summation(int a)
7      {
8          System.out.println("Name : Sk.farheena\nS
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                              ⧉

Name : Sk.farheena
SAP ID:51834710
12345


Process finished.
```

```java
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:Sk.Farheena\nSAP
24         int a = 5;
25         System.out.println(sum(a));
26     }
27 }
```

× Terminal   ⧉

Name:Sk.Farheena
SAP ID:51834710
1.7166666666666668

Process finished.