

```
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("Suhail");
24         System.out.println("51834539");
25         int a = 5;
26         System.out.println(sum(a));
27     }
28 }
```

× Terminal



```
Suhail
51834539
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("Suhail");
9         System.out.println("51834539");
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 = 5;
23        System.out.println(summation(a));
24    }
25 }
```

× Terminal



```
Suhail
51834539
12345
```

```
Process finished.
```