



J2.java

Saved



```
1 import java.util.*;
2
3 public class Main
4 {
5
6     static int summation(int a)
7     {
8         System.out.println("Author:k.jithendra")
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



```
Author:k.jithendra
12345
```

```
Process finished.
```





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Saved

```
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:k.jithendra")
24         int a = 5;
25         System.out.println(sum(a));
26     }
27 
```

x Terminal



```
Author:k.jithendra
1.7166666666666668
```

```
Process finished.
```