

```
1 //4
2 import java.util.*;
3
4 public class Main {
5
6     static int factorial(int a)
7     {
8         int res = 1;
9         for (int m = 2; m <= a; m++)
10             res *= m;
11         return res;
12     }
13
14     static double sum(int a)
```

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```
    double sum = 0;
```

```
    for (int m = 1; m <= a; m++)
```



```
15 {  
16     double sum = 0;  
17     for (int m = 1; m <= a; m++)  
18         sum += 1.0/factorial(m);  
19     return sum;  
20 }  
21  
22 public static void main (String[] args)  
23 {  
24     System.out.println("Author: P.laasya");  
25     int a = 5;  
26     System.out.println(sum(a));  
27 }  
28 }
```

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Author: P.laasya
1.7166666666666668

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```
1 //5
2 import java.util.*;
3
4 public class Main
5 {
6
7     static int summation(int a)
8     {
9         System.out.println("Author:P.laasya");
10        int sum = 0, y = 1;
11        for (int x = 1; x <= a; x++)
12        {
13            sum = sum + y;
14            y = (y * 10) + 1;
```

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```
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 }
```

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Author:P.laasya
12345

Process finished.