

```
1 import java.util.*;
2
3 public class Main
4 {
5
6     static int summation(int a)
7     {
8         System.out.println("Name:T.pravallika sapid: 518
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:T.pravallika sapid: 51834742
12345

Process finished.

```
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:T.pravallika sapid:51834742");
24        int a = 5;
25        System.out.println(sum(a));
26    }
27 }
```

× Terminal



```
Name:T.pravallika sapid:51834742
1.7166666666666668
```

```
Process finished.
```