```java
import java.util.*;

public class Main {

    static int factorial(int a)
    {
        int res = 1;
        for (int m = 2; m <= a; m++)
        res *= m;
        return res;
    }

    static double sum(int a)
    {
        double sum = 0;
        for (int m = 1; m <= a; m++)
            sum += 1.0/factorial(m);
        return sum;
    }

    public static void main (String[] args)
    {
        System.out.println("Author:v.naga sai ram");
        int a = 7;
        System.out.println(sum(a));
    }
}
```

Terminal   ✕   ▢

```
Author:v.naga sai ram
1.7182539682539684

Process finished.
```

```java
import java.util.*;

public class Main
{

    static int summation(int a)
    {
        System.out.println("Author:v.naga sai ram");
        int sum = 0, y = 1;
        for (int x = 1; x <= a; x++)
        {
            sum = sum + y;
            y = (y * 10) + 1;
        }

        return sum;
    }

    public static void main(String args[])
    {
        int a = 7;
        System.out.println(summation(a));
    }
}
```

```
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Author:v.naga sai ram
1234567
```