- **MEDIUM**
- **Max Score: 40 Points**
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All substrings of a string

Given a string `str`, print all possible non-empty substrings of `str`, in order of occurrence in the string.

Input Format

Input consists of a single line of string.

Output Format

Print all the substrings of a string in order of occurrence in the string in different lines.

Example 1

Input

```
abc
```

Output

```
a
ab
abc
b
bc
c
```

Explanation:

These are the possible non-empty substrings.

Example 2

Input

`abcd`

Output

```
a
ab
abc
abcd
b
bc
bcd
c
cd
d
```

Explanation:

These are the possible non-empty substrings.

Constraints

0 <= `str.length()` <= 280

My code

```java
// n java
import java.util.*;
import java.lang.*;
```

```java
import java.io.*;

public class Main
{
    public static void main (String[] args) throws
java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        String str=s.next();
        int n=str.length();
        for(int i=0;i<=n;i++)
                for(int j=i+1;j<=n;j++)
                    {
                        System.out.println(str.substring(i,j));
                    }

    }
}
```