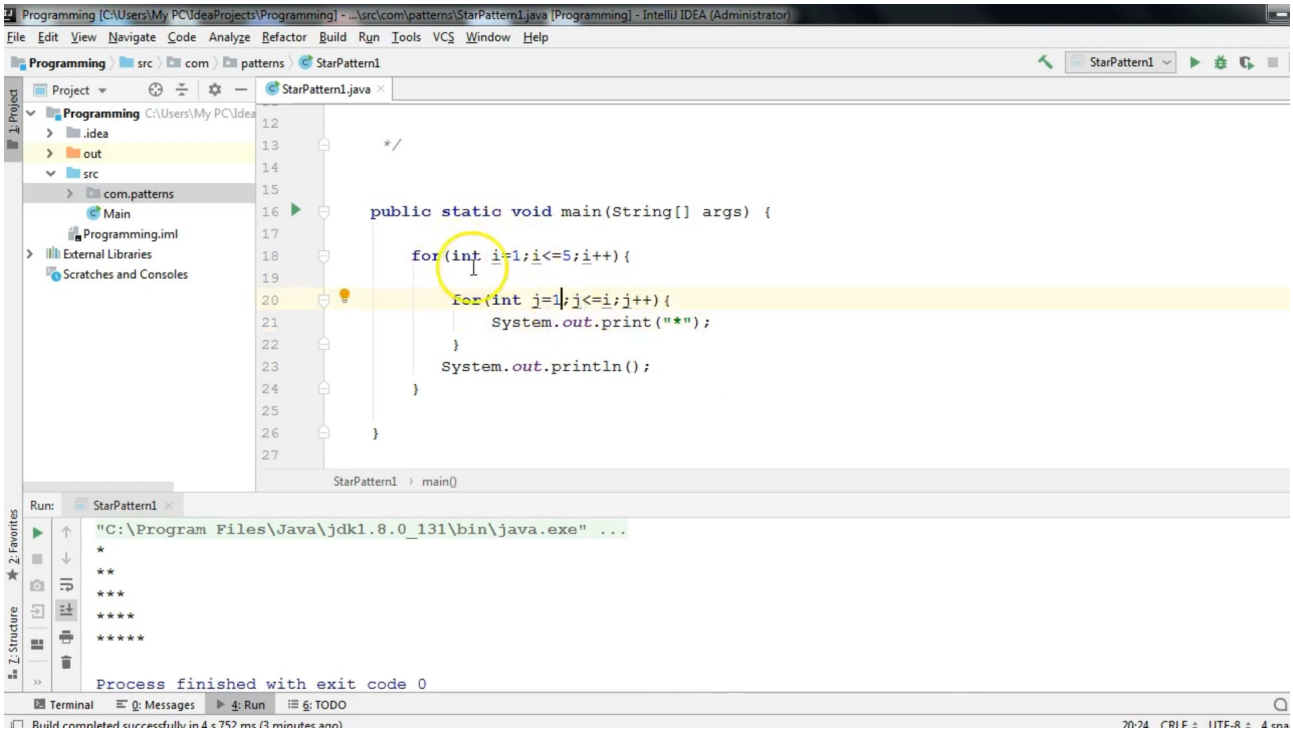
JAVA Programs: (Youtube ref:)
1. Fibonacci series:

Fibonacci.java

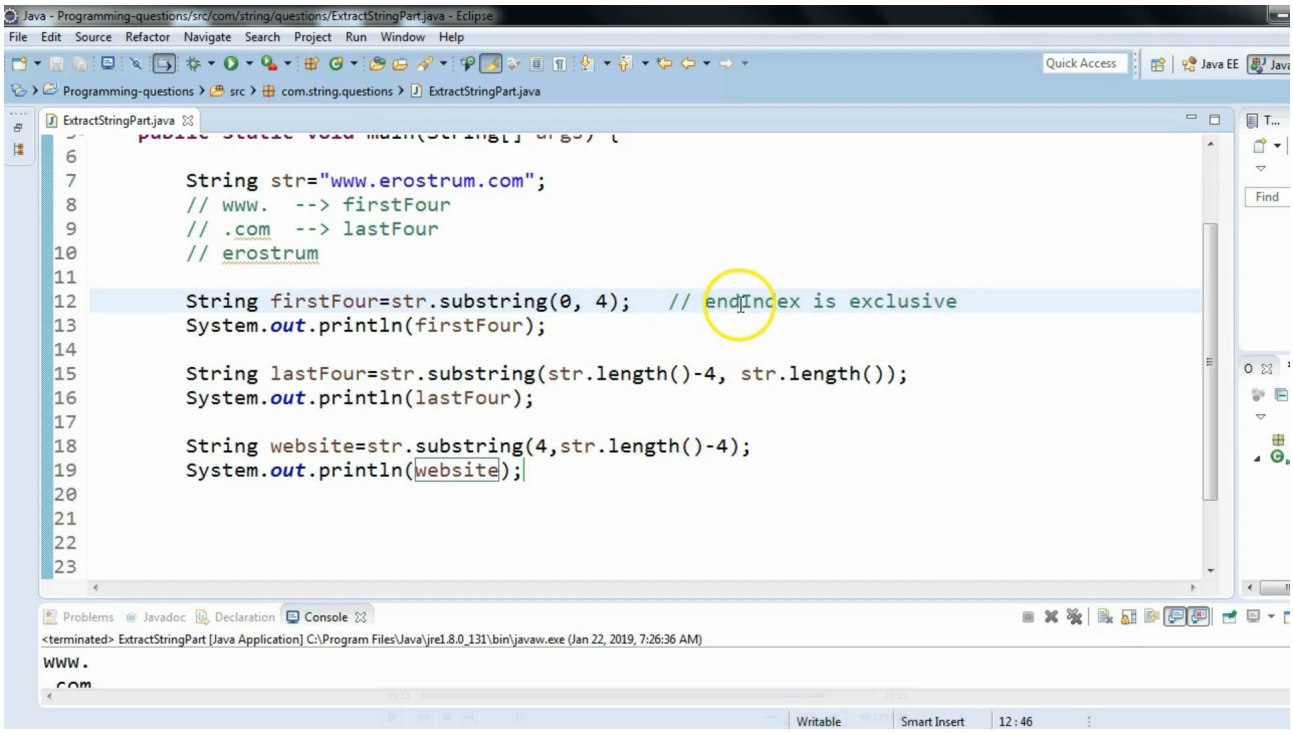
```
1  package com.numbers.questions;
2
3  public class Fibonacci {
4
5      public static void main(String[] args) {
6
7          // 0 1 1 2 3 5 8 13 21
8
9          int first=0;
10         int second=1;
11         int n=20;
12
13         for(int i=1;i<=n;i++){
14
15             System.out.print(first+ " ");
16             int third=first+second;
17             first= second;
18             second= third;
19
20         }
21
22
23     }
```

2.Star Patterns:



3. Extract the string part:

```java
package com.string.questions;

public class ExtractStringPart {

    public static void main(String[] args) {

        String str="www.erostrum.com";
        // www.   --> firstFour
        // .com   --> lastFour
        // erostrum

        String firstFour=str.substring(0, 4);    // endIndex is exclusive
        System.out.println(firstFour);

```



4.ANAGRAM:

AnagramStrings.java

```
1  package com.string.questions;
2
3  import java.util.Arrays;
4
5  public class AnagramStrings {
6
7   //How to check if two given strings are Anagram
8      public static void main(String[] args) {
9
10          String str1="army";
11          String str2="mary";
```

Programming-questions › src › com.string.questions › AnagramStrings.java

AnagramStrings.java

```
10          String str1="army";
11          String str2="Mary";
12
13
14          char[] arr1=str1.toLowerCase().toCharArray();
15          char[] arr2=str2.toLowerCase().toCharArray();
16          Arrays.sort(arr1);
17          Arrays.sort(arr2);
18          if(Arrays.equals(arr1, arr2)){
19              System.out.println("Given strings are anagram");
20          }else{
21              System.out.println("Given strings are NOT anagram");
22          }
```

Problems @ Javadoc Declaration Console

<terminated> AnagramStrings [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (Jan 15, 2019, 8:31:48 AM)

```
Given strings are anagram
```