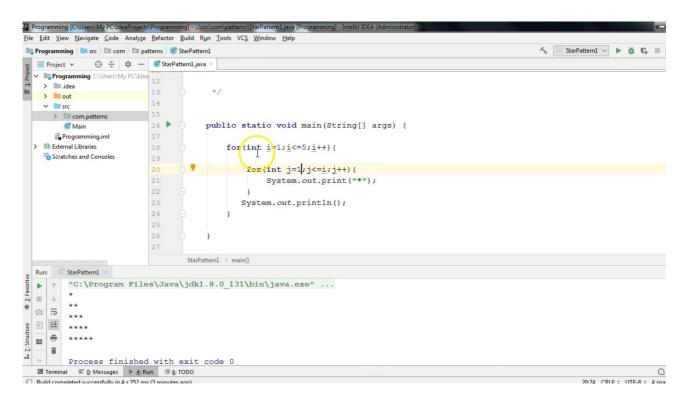
JAVA Programs: (Youtube ref:)

1. Fibonacci series:

```
FIDONACCI.Java 🐼
1 package com.numbers.questions;
2
3 public class Fibonacci {
4
       public static void main(String[] args) {
5⊖
6
           // 0 1 1 2 3 5 8 13 21
7
8
           int first=0;
9
           int second=1;
10
           int n=20;
11
12
           for(int i=1;i<=r;i+){
13
14
                System.out.print(first+ " ");
15
                int third=first+second;
16
                first= second;
L7
                second= third;
18
19
           }
20
21
22
       }
23
```

## 2.Star Patterns:



3. Extract the string part:

```
1 package com.string.questions;
3 public class ExtractStringPart {
4
5⊜
      public static void main(String[] args) {
6
7
          String str="www.erostrum.com";
          // www. --> firstFour
8
                   --> lastFour
9
          // .com
0
          // erostrum
1
2
          String firstFour=str.substring(0, 4); // endIndex is exclusive
3
          System.out.println(firstFour);
4
```

```
💍 Java - Programming-questions/src/com/string/questions/ExtractStringPart.java - Eclip
 File Edit Source Refactor Navigate Search Project Run Window Help
 Quick Access 🔡 😭 Java EE 🐉 Java
 🎖 > 🐸 Programming-questions > 😬 src > 🌐 com.string.questions > 🕖 ExtractStringPart.java
 But ExtractStringPart.java Struction Part.java Struction Part.java
                                                                                                                                                                                                                                                                                                                                                                       - -
                                                                                                                                                                                                                                                                                                                                                                                        ■ T...
 1 6
                                                                                                                                                                                                                                                                                                                                                                                         _ ▼
                                                      String str="www.erostrum.com";
                                                                                                                                                                                                                                                                                                                                                                                        Find
                                                    // www. --> firstFour
// .com --> lastFour
                 8
                 9
             10
                                                     // erostrum
             11
                                                    String firstFour=str.substring(0, 4); // endIndex is exclusive
             12
              13
                                                      System.out.println(firstFour);
             14
                                                                                                                                                                                                                                                                                                                                                                                      0 83 3
                                                      String lastFour=str.substring(str.length()-4, str.length());
             15
                                                                                                                                                                                                                                                                                                                                                                                         9 E
                                                      System.out.println(lastFour);
             16
             17
             18
                                                      String website=str.substring(4,str.length()-4);
                                                                                                                                                                                                                                                                                                                                                                                          4 G.
             19
                                                     System.out.println(website);
             20
             21
             22
           23
                                                                                                                                                                                                                                                                                                                                                                                     4 1
           🖭 Problems @ Javadoc 🚇 Declaration 📮 Console 🛭
                                                                                                                                                                                                                                                                                                                    <terminated> ExtractStringPart [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (Jan 22, 2019, 7:26:36 AM)
          COM
                                                                                                                                                                                                                                            Writable Smart Insert 12:46
```

## 4.ANAGRAM:

```
1 package com.string.questions;
 2
 3 import java.util.Arrays;
 4
 5 public class AnagramStrings {
 6
    //How to check if two given strings are Anagram
 7
       public static void main(String[] args) {
 80
 9
           String str1="army";
10
           String str2="mary";
11
```

```
🗦 🕽 🈂 Programming-questions 🕻 进 src 🕽 🌐 com.string.questions 🕻 🗾 AnagramStrings.java
 ⚠ AnagramStrings.java 
  10
               String str1="army";
               String str2="Mary";
  11
  12
  13
               char[] arr1=str1.toLowerCase().toCharArray();
  14
  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 X
 <terminated> AnagramStrings [Java Application] C:\Rrogram Files\Java\jre1.8.0_131\bin\javaw.exe (Jan 15, 2019, 8:31:48 AM)
 Given strings are anagram
```