

DAILY ONLINE ACTIVITIES SUMMARY

Date:	08/07/2020	Name:	Prajwal
Sem & Sec	IV sem & B sec	USN:	4AL18CS057
Online Test Summary			
Subject	Design And Analysis Of Algorithm		
Max. Marks	30	Score	-----
Certification Course Summary			
Course	Python For Data Science		
Certificate Provider	COGNITIVE CLASS	Duration	12 hours
Coding Challenges			
Problem Statement:1. Write a java program to find whether the given strings are anagram.			
Status: Done			
Uploaded the report in Github		YES	
If yes Repository name		https://github.com/PRAJWALKOTIAN/lockdown-coding	
Uploaded the report in slack		YES	

Online test details

The descriptive test was conducted on 08 july 2020 on Design And Analysis Of Algorithm from 10:15 to 11:00. Score was not provided.

Certification Course Details

The course I have chosen is python for data science in this I studied the summary of the course was explained.

4G 10:10 4.20 KB/s

COURSE DISCUSSION VIKI RESOURCES

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Course Summary (1:13)

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Course Summary (1:13)

Actually build your own Python program.

Python documentation: docs.python.org/3/

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to create some of your own Python programs.

So feel free to use these videos as much as needed and reference Python documentation as you see fit at docs.python.org/3/ If you

0:14 / 1:13

HD CC

Video

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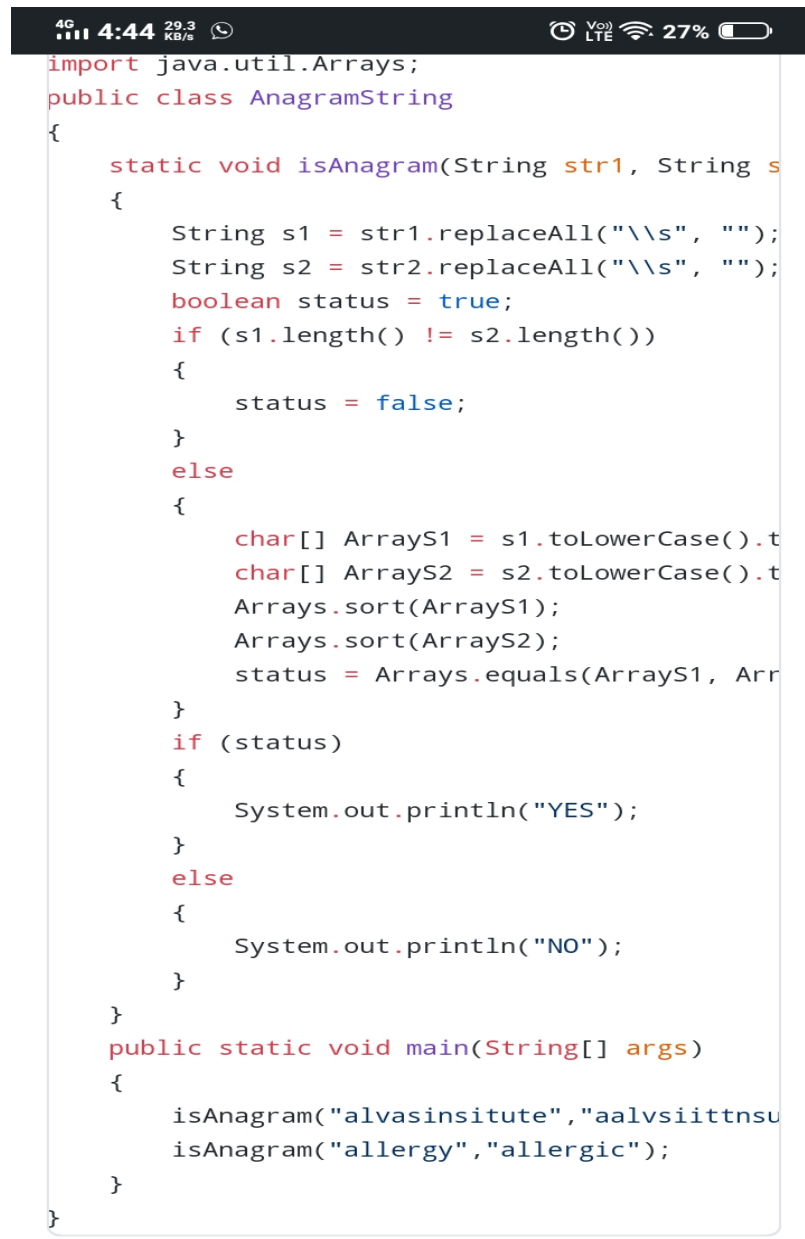
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Coding Challenges Details

The bellow given codes are there on my github repository <https://github.com/PRAJWALKOTIAN/lockdown-coding>

1. Write a java program to find whether the given strings are anagram.

A screenshot of a Java IDE interface. At the top, there is a status bar showing '4G', '4:44', '29.3 KB/s', and '27%' battery. The main area displays a Java program. The code imports 'java.util.Arrays' and defines a 'public class AnagramString'. Inside the class, there is a 'static void isAnagram' method that takes two strings, 'str1' and 'str2'. The method first removes all spaces from both strings. It then checks if the lengths of the two strings are equal. If not, it sets a 'status' variable to false. If they are equal, it converts both strings to lowercase, sorts them using 'Arrays.sort', and then checks if they are equal using 'Arrays.equals'. The 'main' method calls 'isAnagram' with the strings 'alvasinsitute' and 'aalvsiittnsu' (which are anagrams of 'alvin' and 'insult'), and 'allergy' and 'allergic' (which are anagrams of 'allergy' and 'allergic').

```
import java.util.Arrays;
public class AnagramString
{
    static void isAnagram(String str1, String str2)
    {
        String s1 = str1.replaceAll("\\s", "");
        String s2 = str2.replaceAll("\\s", "");
        boolean status = true;
        if (s1.length() != s2.length())
        {
            status = false;
        }
        else
        {
            char[] ArrayS1 = s1.toLowerCase().toCharArray();
            char[] ArrayS2 = s2.toLowerCase().toCharArray();
            Arrays.sort(ArrayS1);
            Arrays.sort(ArrayS2);
            status = Arrays.equals(ArrayS1, ArrayS2);
        }
        if (status)
        {
            System.out.println("YES");
        }
        else
        {
            System.out.println("NO");
        }
    }
    public static void main(String[] args)
    {
        isAnagram("alvasinsitute","aalvsiittnsu");
        isAnagram("allergy","allergic");
    }
}
```