

## **DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	14/06/2020	<b>Name:</b>	Vishwas Acharya
<b>Sem &amp; Sec</b>	8 <sup>th</sup> - A	<b>USN:</b>	4AL16CS002
<b>Online Test Summary</b>			
<b>Subject</b>	--		
<b>Max. Marks</b>		<b>Score</b>	
<b>Certification Course Summary</b>			
<b>Course</b>	The Data Science Course 2020:Complete Data Science Bootcamp		
<b>Certificate Provider</b>	Udemy	<b>Duration</b>	29hours
<b>Coding Challenges</b>			
<b>Problem Statement:</b> Python program to print the first non-repeating character			
<b>Status:</b> Executed			
<b>Uploaded the report in Github</b>		Yes	
<b>If yes Repository name</b>		vishwas_acharya	
<b>Uploaded the report in slack</b>		Yes	

## Online Test Details: -----

## Certification Course Details:

The screenshot shows the Udemy course page for 'The Data Science Course 2020: Complete Data Science Bootcamp'. The video player is paused at 6:19 / 1:04. The course content sidebar on the right lists various topics, including 'Quiz 81: Why Python?', '138. Why Jupyter?', 'Quiz 82: Why Jupyter?', '140. Installing Python and Jupyter', '141. Understanding Jupyter's Interface - the Notebook Dashboard', '142. Prerequisites for Coding in the Jupyter Notebooks', 'Quiz 83: Jupyter's Interface', and '143. Python 2 vs Python 3'. The 'About this course' section states: 'Complete Data Science Training: Mathematics, Statistics, Python, Advanced Statistics in Python, Machine & Deep Learning'.

## Coding Challenges Details:

The screenshot shows a Python program and its execution output. The program is a script named 'program31.py' located at 'C:/Users/lenovo/Desktop/vishwas\_acharya/coding\_solutions/program31.py'. The code defines a function 'getCharCountArray' to count characters in a string, a function 'firstNonRepeating' to find the first non-repeating character, and a main execution block that tests these functions with the string 'helloworld'.

```
# Python program to print the first non-repeating character
NO_OF_CHARS = 256

def getCharCountArray(string):
    count = [0] * NO_OF_CHARS
    for i in string:
        count[ord(i)] += 1
    return count

def firstNonRepeating(string):
    count = getCharCountArray(string)
    index = -1
    k = 0

    for i in string:
        if count[ord(i)] == 1:
            index = k
            break
        k += 1

    return index

string = "helloworld"
index = firstNonRepeating(string)
if index == -1:
    print("Either all characters are repeating or string is empty")
else:
    print("First non-repeating character is " + string[index])
```

The execution output shows the program running successfully and printing the first non-repeating character 'h'.

```
Python 3.8.1 Shell
File Edit Shell Debug Options Window Help
Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 23:11:46) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/lenovo/Desktop/vishwas_acharya/coding_solutions/program31.py
First non-repeating character is h
>>>
= RESTART: C:/Users/lenovo/Desktop/vishwas_acharya/coding_solutions/program31.py
First non-repeating character is h
>>> |
```