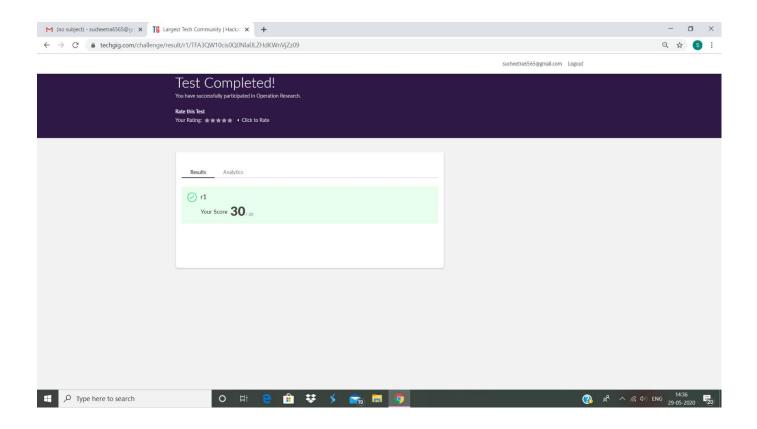
DAILY ONLINE ACTIVITIES SUMMARY

Date:	29-05-20	20	Nan	ne:	M.C St	M.C Suchithra Heggade	
Sem & Sec	VI A		USN	1:	4AL17CS047		
		Online ⁻	Test Sum	mary	у		
Subject	OR IA	Test					
Max. Marks 30			Score		30		
		Certification	n Course	Sum	mary		
Course Cloud Foundations							
Certificate l	Provider	Great Learning	Durati	ion		5hr	
		Codin	g Challen	ges			
Problem Sta 1. Lowercase Python progra	and upper	case llate the number of l	owercase an	d uppe	ercase lette	ers in a string	
formed by int ordering of th str3="dabecf"	3 strings: serleaving to character is a valid	he characters of str1 rs from each string. I shuffle since it presented	and str2 in For example erves the cha	a way , give racter	that maint n str1="abo ordering o		
3.Chinese Rea Write a c prog Theorem.			r congruence	es by a	applying th	ne Chinese Remainder	
4.Armstrong I Write a Java I		check whether the g	given numbe	r is A	rmstrong n	umber or not	
5.Substring Write a Java I	Program to	find longest substri	ng without r	epeati	ng characto	ers in a string.	
Status: Com	pleted						

Uploaded the report in GitHub	Yes
If yes Repository name	https://github.com/Suchitraheggade/certification-and-online-coding
Uploaded the report in slack	Yes

Online test Detail:



Online Certification Details

Modules completed:

Introduction to Virtualization.

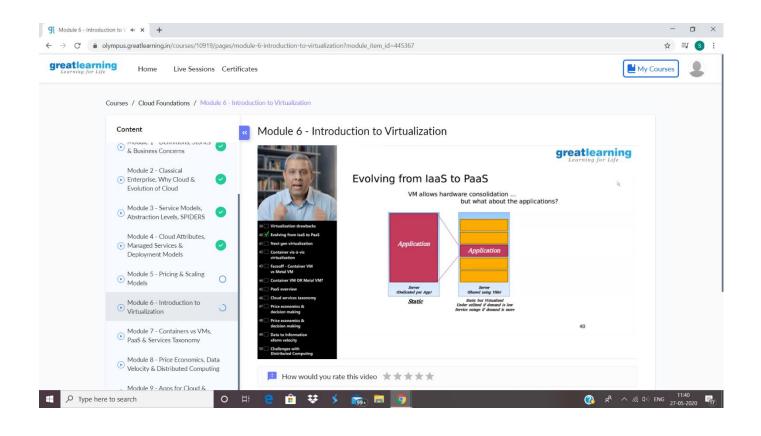
Containers vs VMs, PaaS and Services Taxonomy.

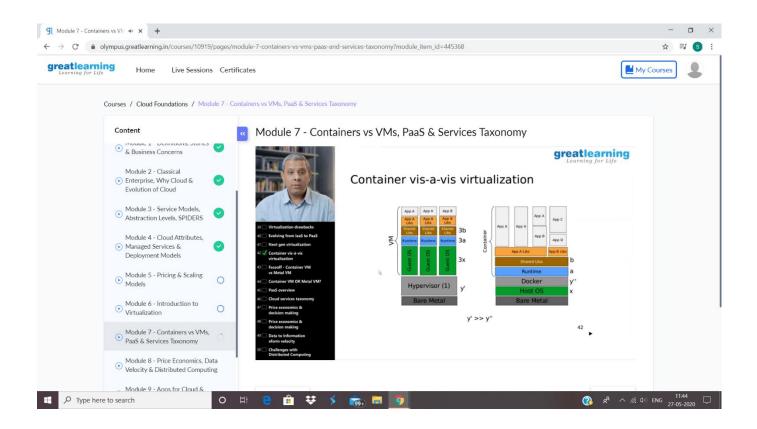
Price Economics Data Velocity and distributed Computing

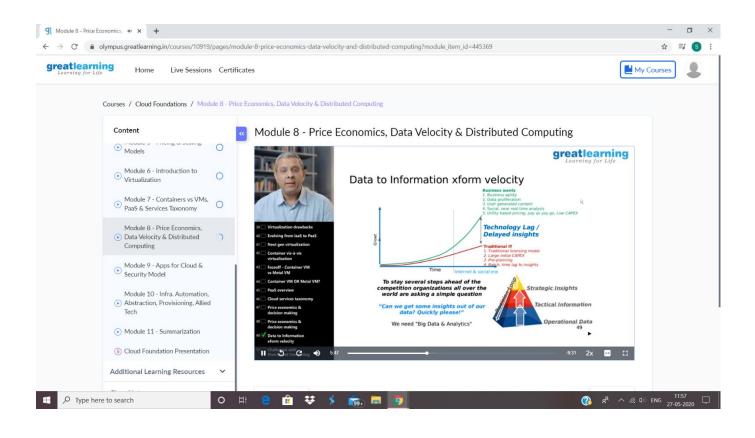
Apps for cloud and security Model.

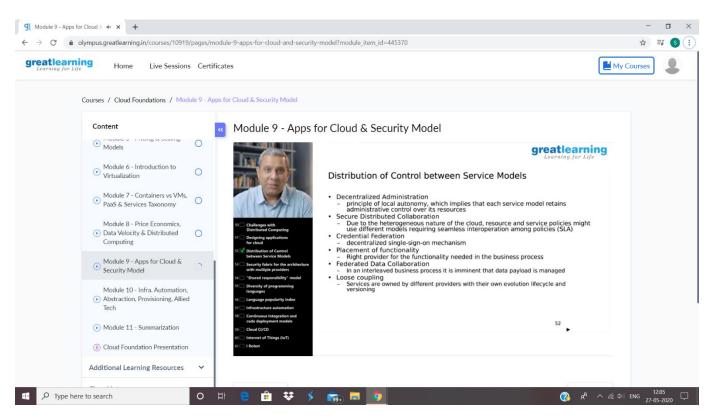
Infra, Automation, Abstraction, Provisioning, Allied Tech.

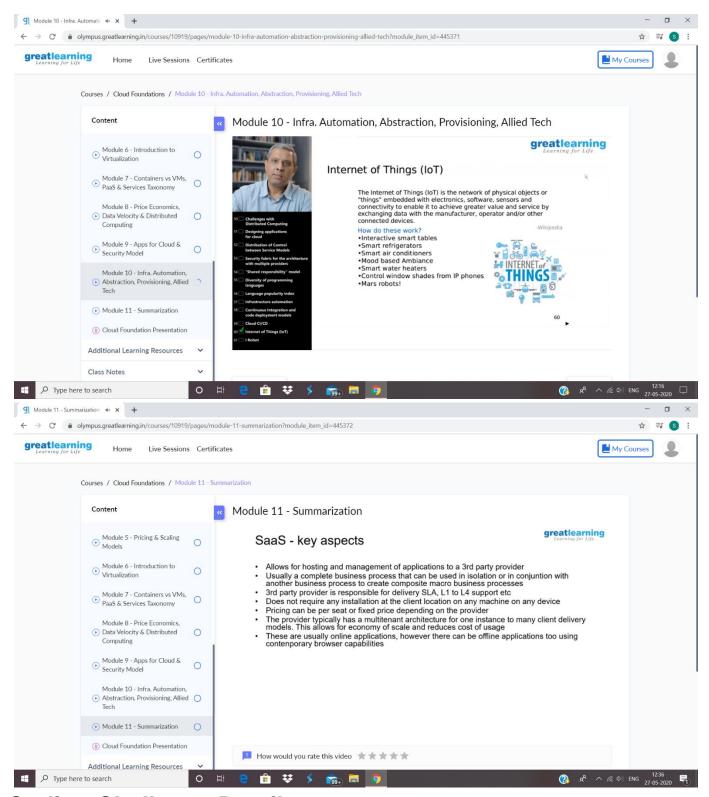
Summarization.











Coding Challenge Details

1. Lowercase and uppercase Python program to calculate the number of lowercase and uppercase letters in a string.

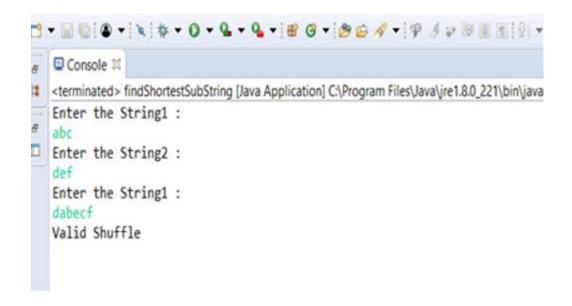
```
→ C © colab.research.google.com/drive/1xvo5V73OM4-AGuPgrtUYpZe19RnyJtW5s

△ Untitled11.ipynb ☆

       File Edit View Insert Runtime Tools Help
     + Code + Text
0
       string=input("Enter string:")
           count1=0
           count2=8
for 1 in string:
                 if(i.islower()):
                       count1=count1+1
                 elif(i.isupper()):
                      count2=count2+1
           print("The number of lowercase characters is:")
           print(count1)
           print("The number of uppercase characters is:")
           print(count2)
       Enter string: AbCdEfGhijkLMN
           The number of lowercase characters is:
           The number of uppercase characters is:
```

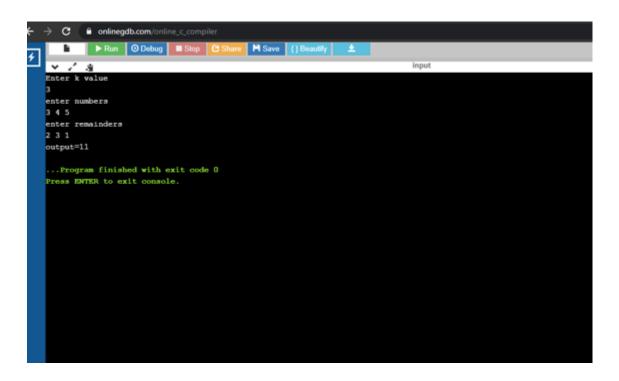
2.shuffle string

We are given 3 strings: str1, str2, and str3. Str3 is said to be a shuffle of str1 and str2 if it can be formed by interleaving the characters of str1 and str2 in a way that maintains the left to right ordering of the characters from each string. For example, given str1="abc" and str2="def", str3="dabecf" is a valid shuffle since it preserves the character ordering of the two strings. So, given these 3 strings write a function that detects whether str3 is a valid shuffle of str1 and str2.



3. Chinese Remainder Theorem.

Write a c program to solve a system of linear congruences by applying the Chinese Remainder Theorem.



4.Armstrong Number

Write a Java Program to check whether the given number is Armstrong number or not

```
Console 
<terminated> JavaExample [Java Application] C:\
Enter Digit Number
371
371 is an Armstrong number

<terminated> JavaExample [Java Application] C:\
Enter Digit Number
125
125 is not an Armstrong number
```

5. Substring

Write a Java Program to find longest substring without repeating characters in a string.

```
Console II

-terminated: MainClass Dava Application) Ct/Program Files/Java/ret.E0_227/pin/javaw.eve (29-May-2020, 4:1436 PM)
Input String : javaconceptoftheday
The langest substring : [o, f, t, h, e, d, a, y]
The langest Substring Length : B

Input String : thelongestsubstring
The langest substring : [u, b, s, t, r, i, n, g]
The langest Substring Length : B
```