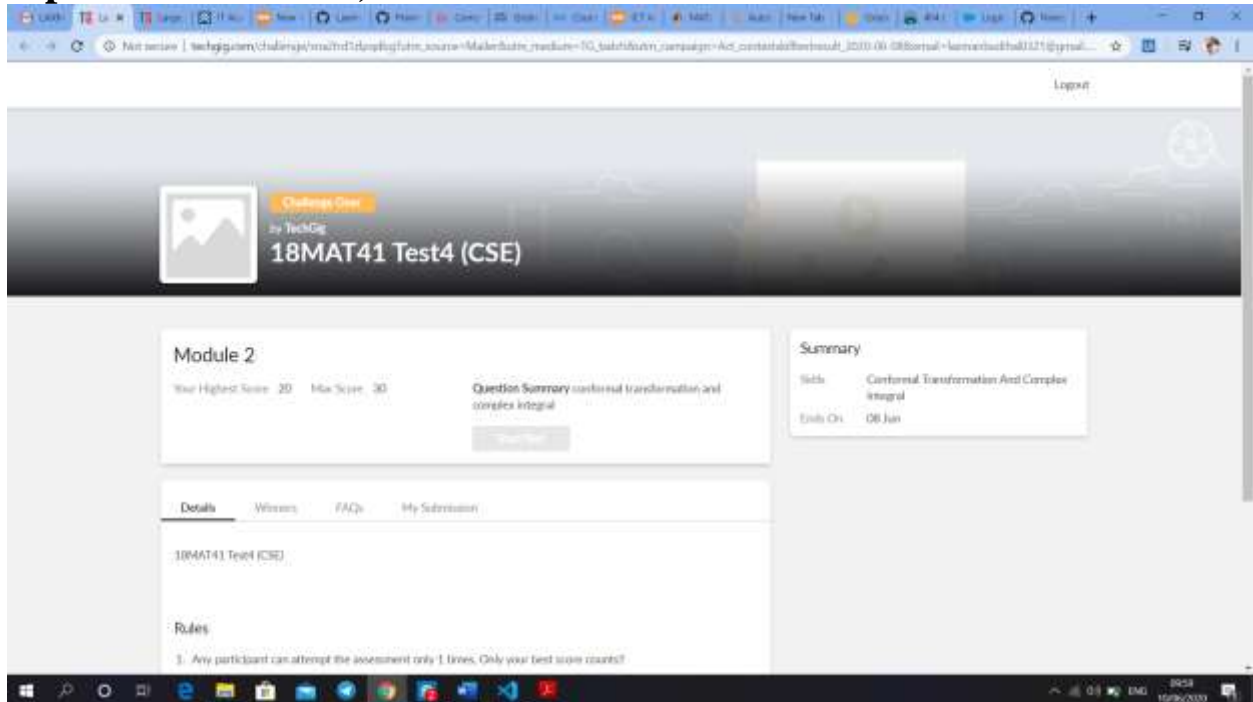


DAILY ONLINE ACTIVITIES SUMMARY

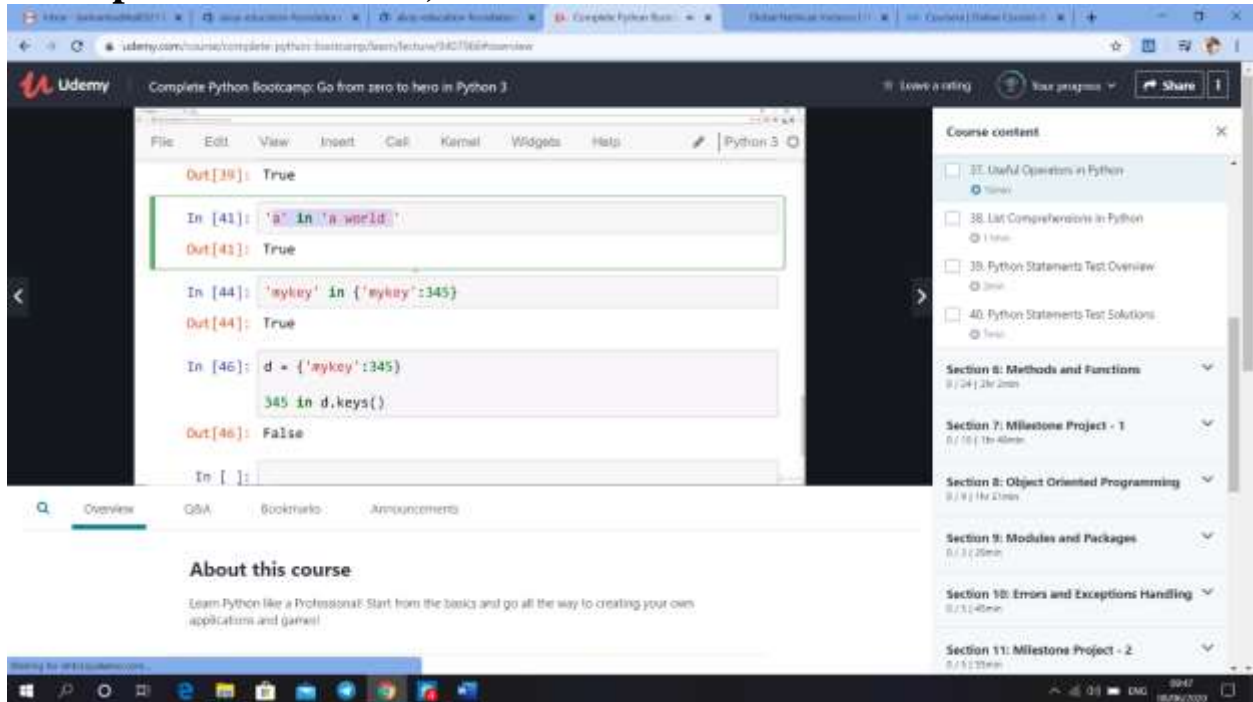
Date:	08/06/2020	Name:	Laxman Pundalik Budihal
Sem & Sec	4 rd sem (A sec)	USN:	4AL18CS043
Online Test Summary			
Subject	MATHS(M4)		
Max. Marks	30	Score	20
Certification Course Summary			
Course	Python Bootcamp		
Certificate Provider	Udemy	Duration	24 hours
Coding Challenges			
Problem Statement: Write a C Program to Generate All the Set Partitions of n Numbers Beginning from 1 and so on			
Status: Completed			
Uploaded the report in GitHub		YES	
If yes Repository name		https://github.com/alvas-education-foundation/Laxman_Budihal	
Uploaded the report in slack		YES	

Online Test Details: (Attach the snapshot and briefly write the report for the same)



MATHS(M4) Internals was conducted. A total of 15 questions were there in which 15 of them were Multiple Choice and fill in blanks Questions. The above snapshot is the result sheet which was mailed to us by the Techgig team

Certification Course Details: (Attach the snapshot and briefly write the report for the same)



The screenshot displays the Udemy interface for the course "Complete Python Bootcamp: Go from zero to hero in Python 3". The main area features a Jupyter Notebook with the following code and output:

```
Out[38]: True

In [41]: 'a' in 'a_wse1d'
Out[41]: True

In [44]: 'mykey' in {'mykey':345}
Out[44]: True

In [46]: d = {'mykey':345}
         345 in d.keys()
Out[46]: False

In [ ]:
```

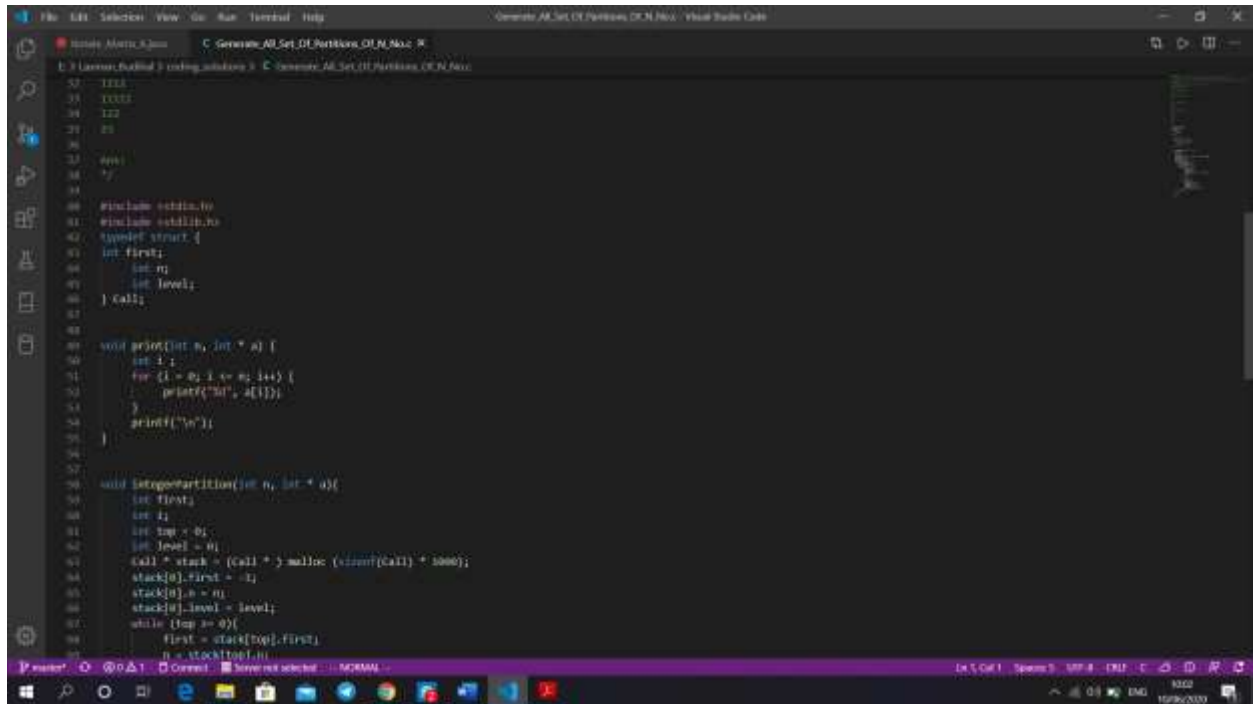
The right sidebar shows the course content table of contents:

- 37. Useful Operations in Python (1 hour)
- 38. List Comprehensions in Python (1 hour)
- 39. Python Statements Test Overview (2min)
- 40. Python Statements Test Solutions (2min)
- Section 8: Methods and Functions (9 / 24 / 2hr 30min)
- Section 7: Milestone Project - 1 (0 / 10 / 1hr 40min)
- Section 8: Object Oriented Programming (9 / 9 / 1hr 41min)
- Section 9: Modules and Packages (0 / 3 / 20min)
- Section 10: Errors and Exceptions Handling (0 / 3 / 40min)
- Section 11: Milestone Project - 2 (0 / 1 / 30min)

Below the code, the "About this course" section states: "Learn Python like a Professional: Start from the basics and go all the way to creating your own applications and games!"

The today's topic is about some useful operation in python

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)



```
1 // Generate All Set Partitions of N Nos. R
2
3 #include <stdio.h>
4 #include <stdlib.h>
5 #include <string.h>
6
7 typedef struct {
8     int first;
9     int n;
10    int level;
11 } call;
12
13 void print(int n, int * a) {
14     int i;
15     for (i = 0; i <= n; i++) {
16         printf("%d ", a[i]);
17     }
18     printf("\n");
19 }
20
21 void setpart(int n, int * a) {
22     int first;
23     int i;
24     int top = 0;
25     int level = 0;
26     call * stack = (call *) malloc (sizeof(call) * 1000);
27     stack[0].first = -1;
28     stack[0].n = n;
29     stack[0].level = level;
30     while (top >= 0) {
31         first = stack[top].first;
32         n = stack[top].n;
33         if (first == -1) {
34             printf("Set partition of %d is: ", n);
35             print(n, stack[top].a);
36             top--;
37         } else {
38             first++;
39             stack[top].first = first;
40             stack[top].level++;
41             if (first >= n) {
42                 top--;
43             }
44         }
45     }
46 }
```

The question I took to code is: Write a C Program to Generate All the Set Partitions of n Numbers Beginning from 1 and so on