

DAILY ONLINE ACTIVITIES SUMMARY

Date:	07/06/2020	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)

The screenshot displays a web browser window with multiple tabs open. The active tab shows a page from techgig.com. The page header includes a 'Logout' link. The main content area features a banner for '18MAT41 Test4 (CSE)' by TechGig, marked as 'Challenge Over'. Below the banner, there is a section for 'Module 2' showing a score of 20 out of 30. A 'Question Summary' indicates the topic is 'conformal transformation and complex integral'. A 'Summary' box on the right lists the skills as 'Conformal Transformation And Complex Integral' and the end date as '08 Jun'. The 'Details' tab is selected, showing the test title and rules. The rules state: '1. Any participant can attempt the assessment only 1 times, Only your best score counts!!'. The browser's taskbar at the bottom shows various application icons and the system clock indicating 09:57 on 08/06/2020.

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 course interface for 'Complete Python Bootcamp: Go from zero to hero in Python 3'. The main area shows a Jupyter Notebook with the following code and output:

```
Out[39]: True

In [41]: 'a' in 'a world '
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 [ ]:
```

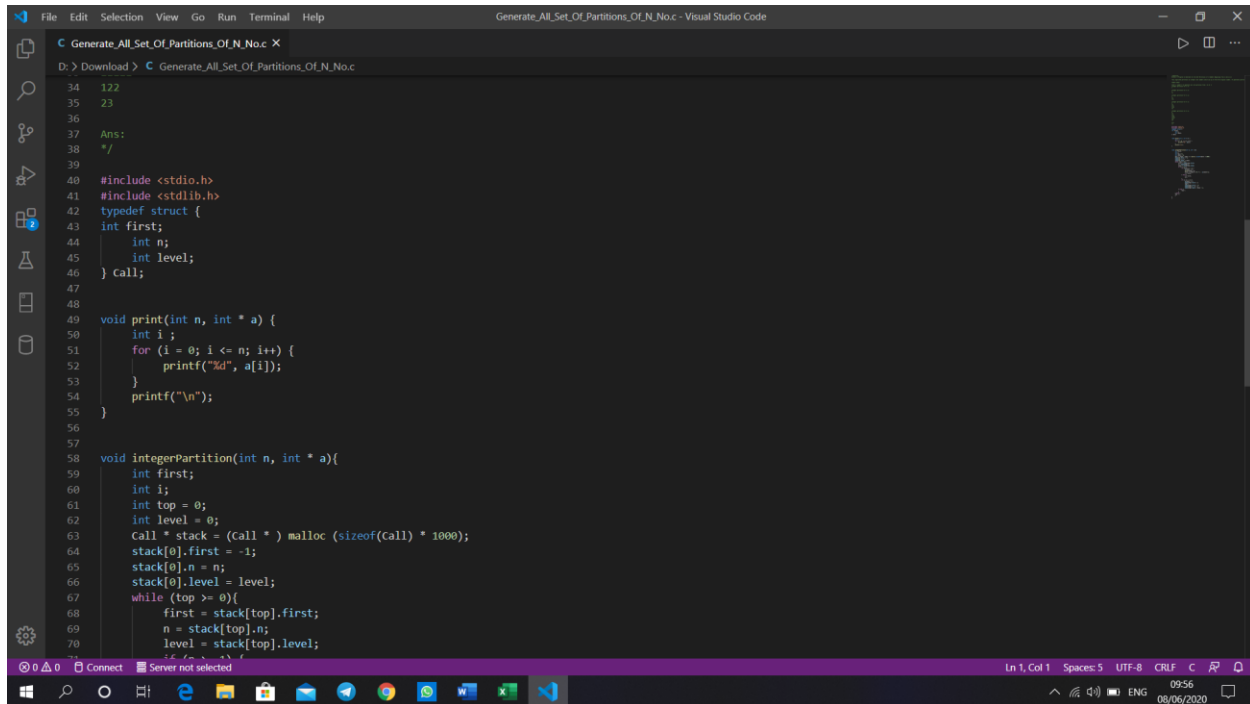
The right sidebar lists the course content, including sections on Operators, Comprehensions, Statements, Methods and Functions, Milestone Projects, Object Oriented Programming, Modules and Packages, Errors and Exceptions Handling, and another Milestone Project.

About this course

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)



```
34 122
35 23
36
37 Ans:
38 */
39
40 #include <stdio.h>
41 #include <stdlib.h>
42 typedef struct {
43     int first;
44     int n;
45     int level;
46 } Call;
47
48
49 void print(int n, int * a) {
50     int i ;
51     for (i = 0; i <= n; i++) {
52         printf("%d", a[i]);
53     }
54     printf("\n");
55 }
56
57
58 void integerPartition(int n, int * a){
59     int first;
60     int i;
61     int top = 0;
62     int level = 0;
63     Call * stack = (Call * ) malloc (sizeof(Call) * 1000);
64     stack[0].first = -1;
65     stack[0].n = n;
66     stack[0].level = level;
67     while (top >= 0){
68         first = stack[top].first;
69         n = stack[top].n;
70         level = stack[top].level;
71         if (n <= first) {
72             print(n, a);
73             if (n < first) {
74                 first = first - 1;
75                 top++;
76                 stack[top].first = first;
77                 stack[top].n = n;
78                 stack[top].level = level;
79             }
80         }
81     }
82 }
```

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