

**DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	08/06/2020	<b>Name:</b>	Divya C H
<b>Sem &amp; Sec</b>	8 <sup>th</sup> Sem	<b>USN:</b>	4AL16CS033
<b>Online Test Summary</b>			
<b>Subject</b>	System Model-ing and Simulation		
<b>Max. Marks</b>	60	<b>Score</b>	60
<b>Certification Course Summary</b>			
<b>Course</b>	Complete Python 3 Bootcamp		
<b>Certificate Provider</b>	Udemy	<b>Duration</b>	24 hrs
<b>Coding Challenges</b>			
<b>Problem Statement: 1) Write a C Program to Generate All the Set Partitions of n Numbers Beginning from 1 and so on</b>			
<b>Status: Completed</b>			
<b>Uploaded the report in Github</b>		Yes	
<b>If yes Repository name</b>		Daily_report	
<b>Uploaded the report in slack</b>		yes	

## Online Test Details:

The screenshot shows a Gmail interface. The left sidebar includes 'Compose', 'Inbox' (1,861), 'Starred', 'Snoozed', 'Sent', 'Drafts' (17), and 'More'. Below these are sections for 'Meet' (Start a meeting, Join a meeting) and 'Chat' (divya, Gagana). The main email area displays a message from 'TechGig <user@techgig.com>' with the subject 'Divya C H, Round 1 cleared'. The email body contains a congratulatory message: 'Congratulations! Divya C H, You've cleared Round 1 and scored 60/60 in SMS\_VI. That's the maximum score one can reach in this assessment. View and share your achievement.' A red button labeled 'View Achievement' is present. Below this, a section titled 'About The Assessment' shows a placeholder for 'SMS\_VI' and states 'Round 1 ends on: 08 Jun, 2020 (1 Hour)'. The email concludes with 'Warm Regards, TechGig Team'.

## Certification Course Details:

The screenshot shows a Udemy course page for 'Complete Python 3 Bootcamp™ -Python Programming from Scratch'. The course is by 'Udemy' and has a rating of 4.5 stars. The main content area displays a video player for '7.2 Tuple' with a list of topics: 'Constructing tuples', 'Tuple methods' (index, count), and 'Interests of tuples' (Tuples as key/value pairs to build dictionaries, Assigning multiple values, Tuple Unpacking, Tuple can be use as swap function). The right sidebar shows the 'Course content' list, which includes 72 items, each with a checkmark and a duration. The bottom navigation bar includes 'Overview', 'Q&A', 'Bookmarks', and 'Announcements'. The 'About this course' section states: 'LEARN Python programming 3 with FUNCTIONS & MODULES, STRINGS, CONTROL AND FLOW, FILE PROCESSING, DATA STRUCTURE & More'.

## Coding Challenges Details:

### Program 1:

```
#include<stdio.h>
```

```
void printArray(int p[], int n)
```

```
{  
    for (int i = 0; i < n; i++)  
        printf("%d ",p[i]);  
    printf("\n");  
}
```

```
void partition(int n)
```

```
{  
    int p[n], true=1;  
    int k = 0;  
    p[k] = n;  
  
    while (true)  
    {  
        printArray(p, k+1);  
  
        int rem_val = 0;  
        while (k >= 0 && p[k] == 1)  
        {
```

```
    rem_val += p[k];  
    k--;  
}
```

```
if (k < 0) return;
```

```
p[k]--;  
rem_val++;
```

```
while (rem_val > p[k])  
{  
    p[k+1] = p[k];  
    rem_val = rem_val - p[k];  
    k++;  
}
```

```
p[k+1] = rem_val;  
k++;  
}  
}
```

```
int main()  
{  
    int n;  
    printf("Enter the number: ");
```

```
scanf("%d",&n);
```

```
partition(n);
```

```
return 0;
```

```
}
```