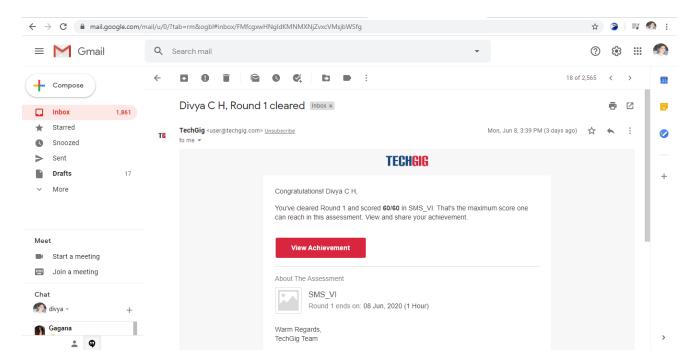
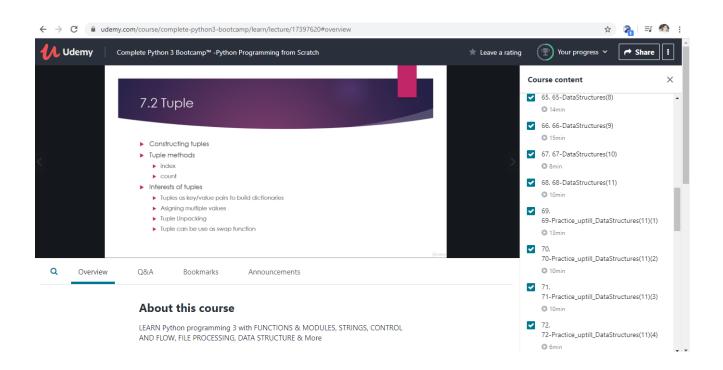
DAILY ONLINE ACTIVITIESSUMMARY

Date: 0	08/06/2020		Name:	Divya C H	
Sem & 8 Sec	8 th Sem		USN:	4AL16CS033	
Online Test Summary					
Subject	System Model-ling and Simulation				
Max. Marks	60		Score 60		
Certification Course Summary					
Course	Complete Python 3 Bootcamp				
Certificate Provider		Udemy	Duration		24 hrs
Coding Challenges					
Problem Statement: 1) 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			Daily_report		
Uploaded the report in slack			yes		

Online Test Details:



Certification Course Details:



```
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 \ge 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;
}
```