

DAILY ONLINE ACTIVITIES SUMMARY

Date:	08-06-2020	Name:	Ainab
Sem & Sec	VIII Semester & A Section	USN:	4AL16CS004
Online Test Summary			
Subject	SMS		
Max. Marks	60	Score	60
Certification Course Summary			
Course	Robotic Process Automation		
Certificate Provider	Ui Path	Duration	3 Hours
Coding Challenges			
Problem Statement: Generate all set partitions of n numbers beginning from 1 to so on.			
Status: COMPLETED			
Uploaded the report in Github		YES	
If yes Repository name		Ainab004	
Uploaded the report in slack		YES	

Online Test Details:



Congratulations! Ainab .,

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.

[View Achievement](#)

About The Assessment



SMS_VI

Round 1 ends on: 08 Jun, 2020 (1 Hour)

Warm Regards,
TechGig Team

Certification Course Details:



Ainab

is here by awarded the certificate of achievement for
the successful completion of

Step into Robotic Process Automation

during GUVI's RPA **SKILL-A-THON** 2020


S.P. Balamurugan
Co-founder, CEO

Valid certificate ID DnJA3918bH158E2807

Verified certificate issue on June 2 2020

Verify certificate at www.guvi.in/certificate?id=DnJA3918bH158E2807

In association with



Coding Challenges Details:

Program1:

```
#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;  
}
```