

DAILY ONLINE ACTIVITIES SUMMARY

Date:	08/06/2020	Name:	Shruthi
Sem & Sec	8 B	USN:	4AL16CS100
Online Test Summary			
Subject	SMS		
Max. Marks	60	Score	60
Certification Course Summary(Internship)			
Task	Creating an UI using an ETL tool and customizing the UI features and validations using Talend product.		
Company	Gain-Insights	Duration	8 hrs
Coding Challenges			
Problem Statement: 1) generate all unique partition of integer			
Status:completed			
Uploaded the report in Github		Yes	
If yes Repository name		alvas-education-foundation/ shruthikamath	

Uploaded the report in slack	Yes
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ONLINE TEST


TECHGIG

Congratulations! Shruthi Kamath,

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

CODING CHALLENGE:

PROGRAM 1 :

```
def printArray(p, n):
```

```
for i in range(0, n):  
    print(p[i], end = " ")  
print()
```

```
def printAllUniqueParts(n):  
    p = [0] * n    # An array to store a partition  
    k = 0          # Index of last element in a partition  
    p[k] = n       # Initialize first partition  
                    # as number itself  
    while True:  
        printArray(p, k + 1)  
        rem_val = 0  
        while k >= 0 and p[k] == 1:  
            rem_val += p[k]  
            k -= 1  
        if k < 0:  
            print()  
            return  
        p[k] -= 1  
        rem_val += 1  
  
        while rem_val > p[k]:
```

```
p[k + 1] = p[k]
```

```
rem_val = rem_val - p[k]
```

```
k += 1
```

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

```
k += 1
```

```
print('All Unique Partitions of 2')
```

```
printAllUniqueParts(2)
```

```
print('All Unique Partitions of 3')
```

```
printAllUniqueParts(3)
```

```
print('All Unique Partitions of 4')
```

```
printAllUniqueParts(4)
```

