

DAILY ONLINE ACTIVITIES SUMMARY

Date:	8-06-2020	Name:	Shriraksha
Sem & Sec	8 th ,B	USN:	4AL16CS099
Online Test Summary			
Subject	SMS		
Max. Marks	60	Score	60
Certification Course Summary			
Course	Introduction to Hadoop		
Certificate Provider	Great Learning	Duration	4 Hrs
Coding Challenges			
Problem Statement: Program to generate all unique partition of integer..			
Status: Solved			
Uploaded the report in Github		Yes	
If yes Repository name		alvas-education-foundation/ Shriraksha_k	
Uploaded the report in slack		Yes	

Online Test Details:


TECHGIG

Congratulations! Shiraksha K,

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)

Certification Course Details:

g Introduction to Hadoop - Great L. x

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▶ What is ETL	14m	✓
▶ Intro to Hadoop	13m	✓
▶ Distributed Computing	8m	✓
▶ Hadoop Architecture	6m	✓
▶ How do we Store a File in HDFS	13m	✓
▶ Intro To Oozie and HDFS Processing	5m	✓
▶ Hadoop Cluster Hands on	18m	○
▶ Hadoop Ecosystem	28m	○
▶ Map Reduce	13m	○
▶ Map Reduce Example		

Activate Windows
Go to Settings to activate Windows.

Coding Challenges:

```
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)
```