**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | | **03-07-2020** | | | | **Name:** | **Apoorva K N** | |
| **Sem & Sec** | | **6th-A** | | | | **USN:** | **4AL17CS012** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | |  | | | | | |
| **Max. Marks** | | | **-** | **Score** | | | **-** | |
| **Pre-placement Training Summary** | | | | | | | | |
| **Topic** |  | | | | | | | |
| **Faculty** |  | | | | **Duration** | | |  |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement**: 1 programs | | | | | | | | |
| **Status: Solved** | | | | | | | | |
| **Uploaded the report in GitHub** | | | | | **yes** | | | |
| **If yes Repository name** | | | | | <https://github.com/Apoorva-K-N/Online-course-2-july-> | | | |
| **Uploaded the report in slack** | | | | | **yes** | | | |

**ONLINE CODING**

**Python Program to Create a Class and Get All Possible Subsets from a Set of Distinct Integerss**

class Subsets:

def f1(self, s1):

return self.f2([], sorted(s1))

def f2(self, curr, s1):

if s1:

return self.f2(curr, s1[1:]) + self.f2(curr + [s1[0]], s1[1:])

return [curr]

a=[]

n=int(input("Enter number of elements of list: "))

for i in range(0,n):

b=int(input("Enter element: "))

a.append(b)

print("Subsets: ")

print(Subsets().f1(a))

