

DAILY ONLINE ACTIVITIES SUMMARY

Date:	18/06/2020	Name:	Prathiksha
Sem & Sec	8 th sem & B sec	USN:	4AL16CS070
Online Test Summary			
Subject	System Modeling and Simulation(SMS)		
Max. Marks	60	Score	No mail received
Certification Course Summary			
Course	Artificial Intelligence in Python		
Certificate Provider	Great Learning Academy	Duration	7hrs
Coding Challenges			
Problem Statement: 1. Find smallest number in an given array.			
Status: Solved			
Uploaded the report in Github		Yes	
If yes Repository name		Prathiksha	
Uploaded the report in slack		Yes	

Online Test Details:

No mail received.

Certification Course Details:



Coding Challenges Details:

Program 1:

```
def findSmallest(arr, n):  
  
    res = 1 #Initialize result  
  
    # Traverse the array and increment  
    # 'res' if arr[i] is smaller than  
    # or equal to 'res'.  
    for i in range (0, n ):  
        if arr[i] <= res:
```

```
        res = res + arr[i]
    else:
        break
    return res
```

Driver program to test above function

```
arr1 = [1, 3, 4, 5]
n1 = len(arr1)
print(findSmallest(arr1, n1))
```

```
arr2= [1, 2, 6, 10, 11, 15]
n2 = len(arr2)
print(findSmallest(arr2, n2))
```

```
arr3= [1, 1, 1, 1]
n3 = len(arr3)
print(findSmallest(arr3, n3))
```

```
arr4 = [1, 1, 3, 4]
n4 = len(arr4)
print(findSmallest(arr4, n4))
```