DAILY ONLINE ACTIVITIES SUMMARY

Date:	18/06/2020	Name:	Sumana Rehman
Sem & Sec	8th Sem B	USN:	4AL16CS107

Online Test Summary			
Subject	SMS		
Max. Marks	60	Score	Not disclosed

Certification Course Summary			
Course	Web Application Pentesting		
Certificate Provider	pentesteracdemy	Duration	

Coding Challenges

ProblemStatement: Find the smallest positive integer value that cannot be repsented as sum of any subset of a given array sorted in ascending order

Status: Completed

Uploaded the report in Github	Yes
If yes Repository name	Alvas-education-foundation/Sumana
Uploaded the report in slack	yes

Coding Challenges:

#Find the smallest positive integer value that cannot be repsented as sum of any

subset of a given array

sorted in ascending order

```java
public class

SmallestIntegerInSortedArray {

public int find(int [] arrA){

int smlNumber = 1;

for(int i = 0;i<arrA.length;i++){

if(arrA[i]<=smlNumber){

smlNumber += arrA[i];

}else{

break;

}

}

return smlNumber;

}

public static void main(String arg[]){

SmallestIntegerInSortedArray i = new SmallestIntegerInSortedArray();

System.out.println("Smallest Positive Integer that cant be represented by

the sum of any subset of following arrays are : ");
```

```java
int [] arrA = { 1,1,3,4,6,7,9};

System.out.println("{1,1,3,4,6,7,9} -" + i.find(arrA));

int [] arrB = {1,1,1,1,1};

System.out.println("{1,1,1,1,1} -" + i.find(arrB));

int [] arrC = {2,3,6,7};

System.out.println("{2,3,6,7} -" + i.find(arrC));

int [] arrD = {1,2,6,7,9};

System.out.println("{1,2,6,7,9} -"+ i.find(arrD));

}

}
```