DAILY ONLINE ACTIVITIES SUMMARY

18/06/2	020	Name:	Sumana Rehman		
8 th Sem	пВ	USN:	4AL16CS107		
Online Test Summary					
Subject SMS					
s 60		Score	Not disclosed		
Certification Course Summary					
Course Web Application Pentesting					
	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					
	SMS s 60 Web Ap Catement as sum of mpleted the repo	SMS Certification Co Web Application Pentesting pentesteracdemy Coding Co catement: Find the smallest pass sum of any subset of a given in pleted the report in Github ository name	Online Test Summary SMS SMS S 60 Certification Course Summ Web Application Pentesting pentesteracdemy Duration Coding Challenges Catement: Find the smallest positive integras sum of any subset of a given array sorted impleted the report in Github Yes District Yes District Yes Alvas-eduction	Online Test Summary SMS Solution Score Not disclar Certification Course Summary Web Application Pentesting pentesteracdemy Duration Coding Challenges Catement: Find the smallest positive integer value that as sum of any subset of a given array sorted in ascending mpleted the report in Github Yes Distinct Yes Disti	

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
public class
SmallestIntegerInSortedArray {
public int find(int [] arrA){
int smlNumber = 1;
for(int i = 0;i<arrA.length;i++){</pre>
if(arrA[i]<=smlNumber){</pre>
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: ");
```

```
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));
}
```