

## DAILY ONLINE ACTIVITIES SUMMARY

Date:	18-07-2020	Name:	Shriraksha
Sem & Sec	8 <sup>th</sup> ,B	USN:	4AL16CS099
<b>Online Test Summary</b>			
Subject	--		
Max. Marks	--	Score	--
<b>Certification Course Summary</b>			
Course	Learn C sharp programming from scratch		
Certificate Provider	Eduonix	Duration	6hrs
<b>Coding Challenges</b>			
<b>Problem Statement:</b> Find the smallest positive integer value that cannot be represented as sum of any subset of a given array sorted in ascending order			
Status: Solved			
Uploaded the report in Github		Yes	
If yes Repository name		alvas-education-foundation/ Shriraksha_k	
Uploaded the report in slack		Yes	

## Certification Course Details:



## Coding Challenges:

# Find the smallest positive integer value that cannot be represented 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++){  
            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 : ");
    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));
}
}

```