**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **18/06/2020** | | | | **Name:** | **Shashikant Chavan** | |
| **Sem & Sec** | **8 B** | | | | **USN:** | **4AL16CS090** | |
| **Online Test Summary** | | | | | | | |
| **Subject** | | **SMS** | | | | | |
| **Max. Marks** | | **60** | | **Score** | | **Score not received** | |
| **Certification Course Summary(Internship)** | | | | | | | |
| **Course** | **Python Programming in Hindi** | | | | | | |
| **Certificate Provider** | | | **GreatLearning** | **Duration** | | | **3 hr** |
| **Coding Challenges** | | | | | | | |
| **Problem Statement:**  **1) Find the smallest positive integer value that cannot be resented 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](https://github.com/alvas-education-foundation)/Shasikant\_chavan | | | |
| **Uploaded the report in slack** | | | | **Yes** | | | |

ONLINE TEST

CODING CHALLENGE:

PROGRAM 1 :

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));

}

}