**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **18-06-2020** | | | | | **Name:** | **Sanath shetty** | |
| **Sem & Sec** | **8th sem B sec** | | | | | **USN:** | **4AL16CS094** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **SMS** | | | | | | |
| **Max. Marks** | | **60** | | **Score** | | | **Not disclosed** | |
| **Certification Course Summary(Internship)** | | | | | | | | |
| **Course** | **Theme customization based on client configuration** | | | | | | | |
| **Certificate Provider** | | | **Gain-insights** | | **Duration** | | | **8 hours** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement: 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/Sanath-Shetty** | | | |
| **Uploaded the report in slack** | | | | | **yes** | | | |

Online Test Details: (Attach the snapshot and briefly write the report for the same)

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Coding was given n it was uploaded for github and slack

PROGRAM1

|  |
| --- |
| Find the smallest positive integer value that cannot be resented 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)); |
| } |
| } |

|  |
| --- |
|  |