DAILY ONLINE ACTIVITIES SUMMARY

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| **Date:** | **17/6/2020** | | | | **Name:** | **Sushmitha Shet** | |
| **Sem & Sec** | **8 B** | | | | **USN:** | **4al16cs110** | |
| Online Test Summary | | | | | | | |
| **Subject** | | **-** | | | | | |
| **Max. Marks** | | **-** | | **Score** | | **-** | |
| Certification Course Summary | | | | | | | |
| **Course** | **Machine Learning Terminology and Process.** | | | | | | |
| **Certificate Provider** | | | **AWS** | **Duration** | | | **1hr** |
| Coding Challenges | | | | | | | |
| **Problem Statement:** Write a program to find the smallest number that cannot be represented as sum of subset of elements from set represented by sorted array. | | | | | | | |
| **Status:-solved** | | | | | | | |
| **Uploaded the report in Github** | | | | **Yes** | | | |
| **If yes Repository name** | | | | **sushmithashet** | | | |
| **Uploaded the report in slack** | | | | **Yes** | | | |

Online coding:

Write a program to find the smallest number that cannot be represented as sum

Of subset of elements from set represented by sorted array.

class FindSmallestInteger

{

int findSmallest(int arr[], int n)

{

int res = 1;

for (int i = 0; i < n && arr[i] <= res; i++)

res = res + arr[i];

return res;

}

public static void main(String[] args)

{

FindSmallestInteger small = new FindSmallestInteger();

int arr1[] = {1, 3, 4, 5};

int n1 = arr1.length;

System.out.println(small.findSmallest(arr1, n1));

int arr2[] = {1, 2, 6, 10, 11, 15};

int n2 = arr2.length;

System.out.println(small.findSmallest(arr2, n2));

int arr3[] = {1, 1, 1, 1};

int n3 = arr3.length;

System.out.println(small.findSmallest(arr3, n3));

int arr4[] = {1, 1, 3, 4};

int n4 = arr4.length;

System.out.println(small.findSmallest(arr4, n4));

}

}