DAILY ONLINE ACTIVITIES SUMMARY

Date:	**18-06-2020**	**Name:**	**Shriraksha**
Sem & Sec	**8th,B**	**USN:**	**4AL16CS099**

Online Test Summary

Subject	**SMS**		
Max. Marks	**60**	**Score**	**Not disclosed**

Certification Course Summary

Course	**Hadoop and Bigdata**		
Certificate Provider	**Eduonix**	**Duration**	**3.5 Hrs**

Coding Challenges

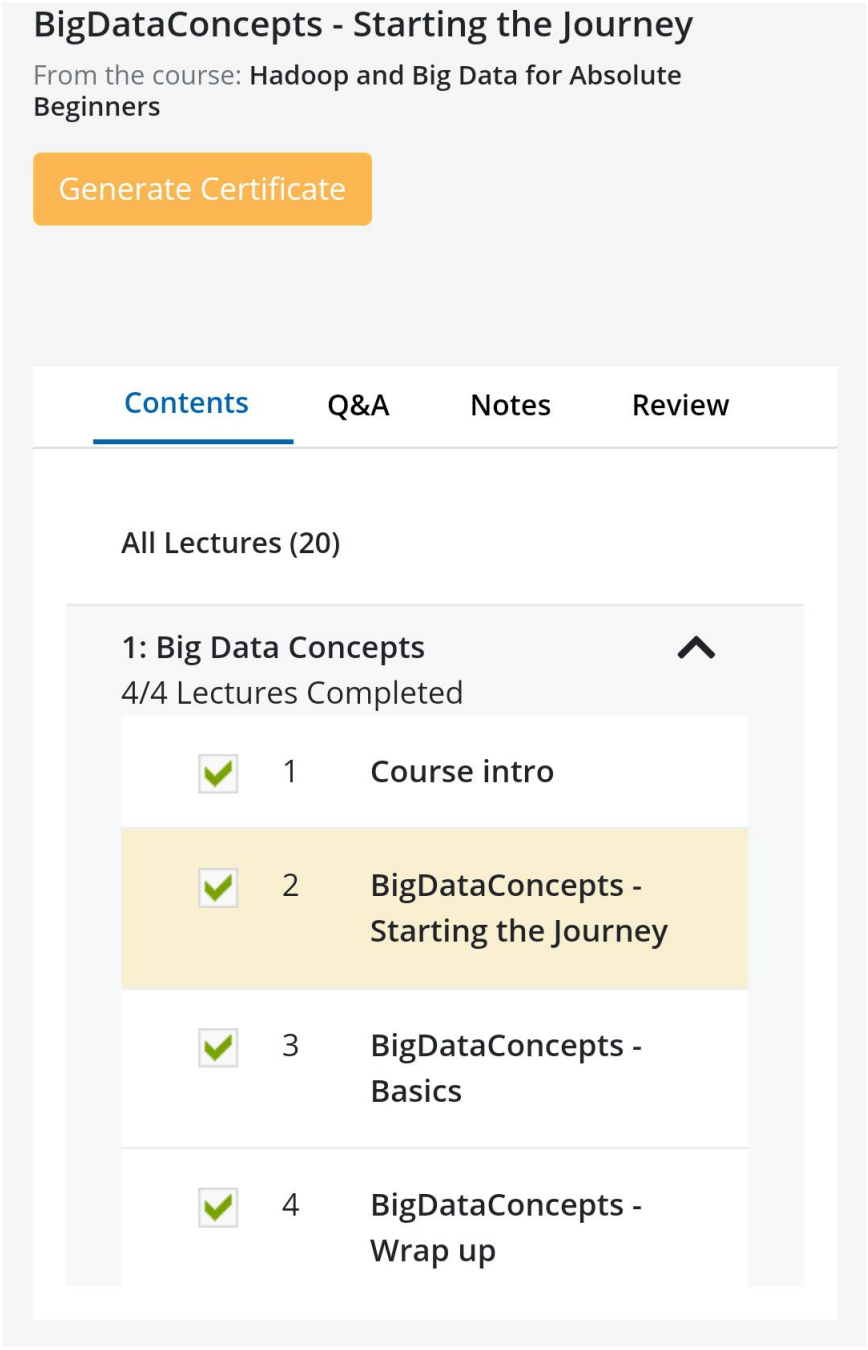
Problem Statement:

Find the smallest positive integer value that cannot be repsented 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**

Certiation Course Details:



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++){
                  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));
      }
}
```