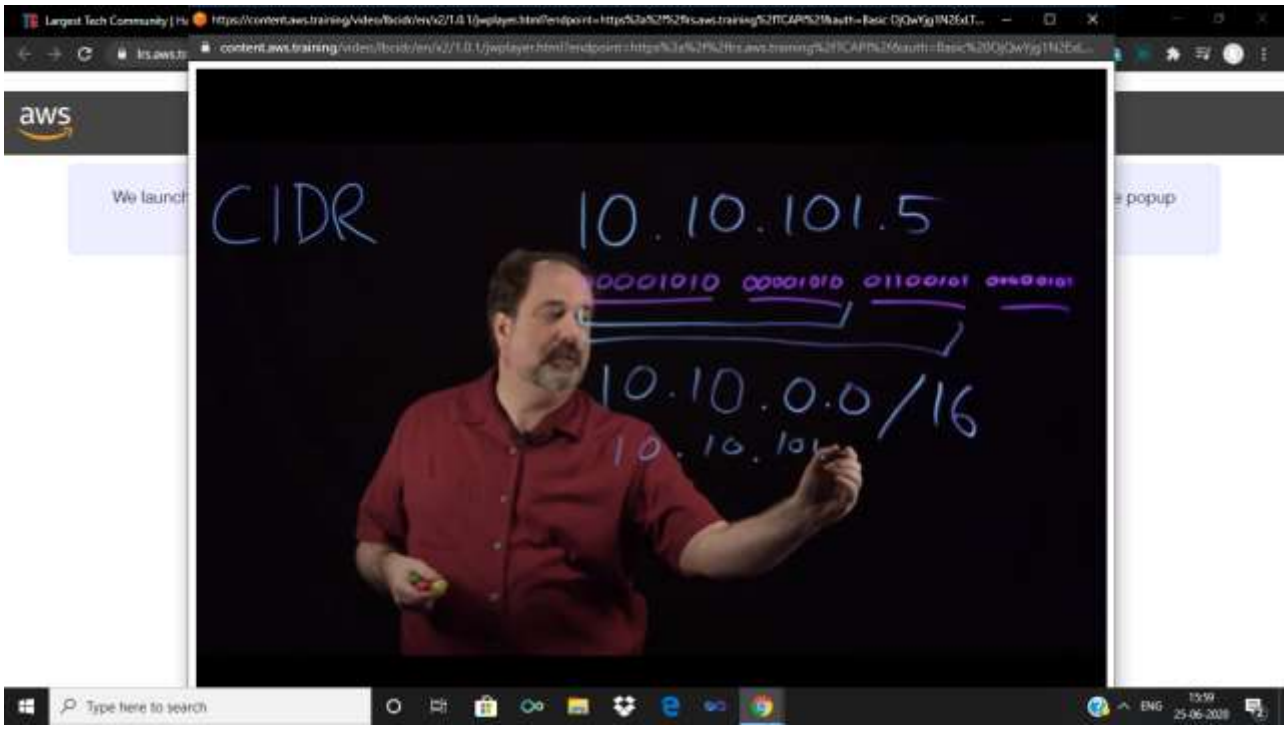
DAILY ONLINE ACTIVITIES SUMMARY

Date:	***22-06-2020***	***Name:***	**SAFNAAZ**
Sem & Sec	**8th B**	**USN:**	**4AL16CS081**
Online Test Summary			
Subject	**SMS**		
Max. Marks	**30**	***Score***	**-**
Certification Course Summary			
Course	**Amazon web service**		
Certificate Provider	**Aws**	***Duration***	***3 Hours***
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: COMPLETED			
Uploaded the report in Github	**YES**		
If yes Repository name	**Safnaazsheikh**		
Uploaded the report in slack	***YES***		

Certification Course Details:



Coding challenges online details:

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));
        }
}
```