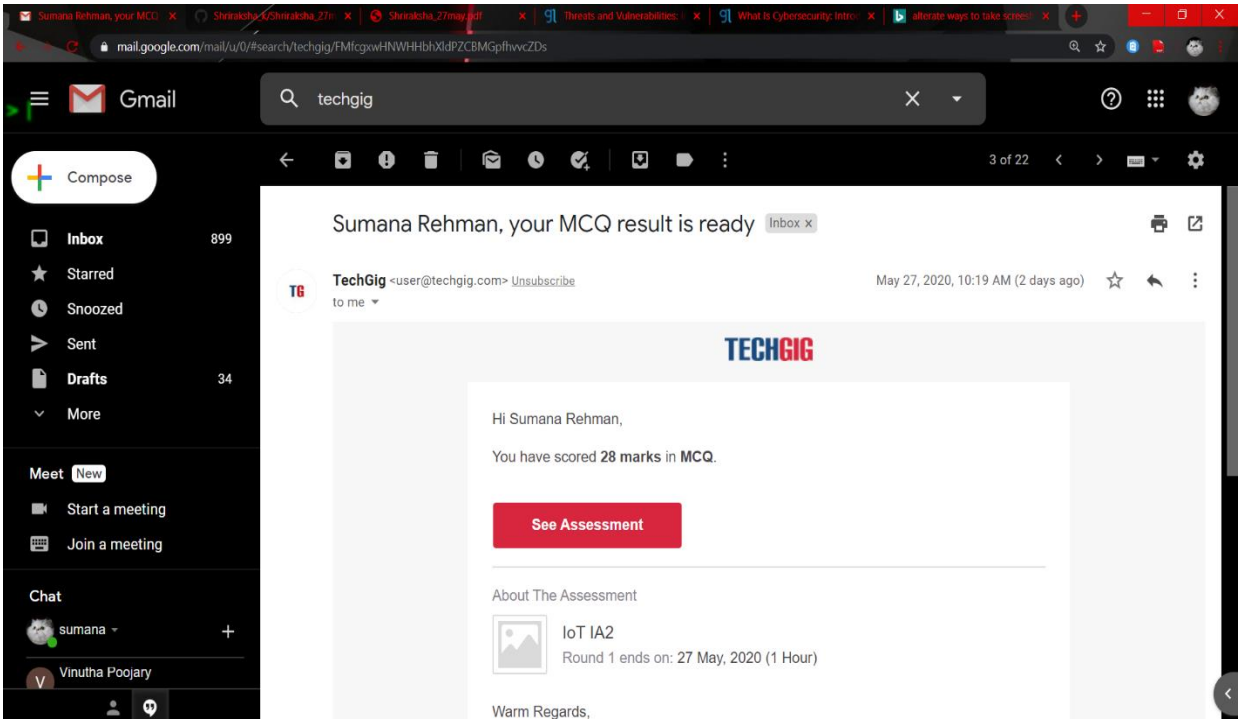
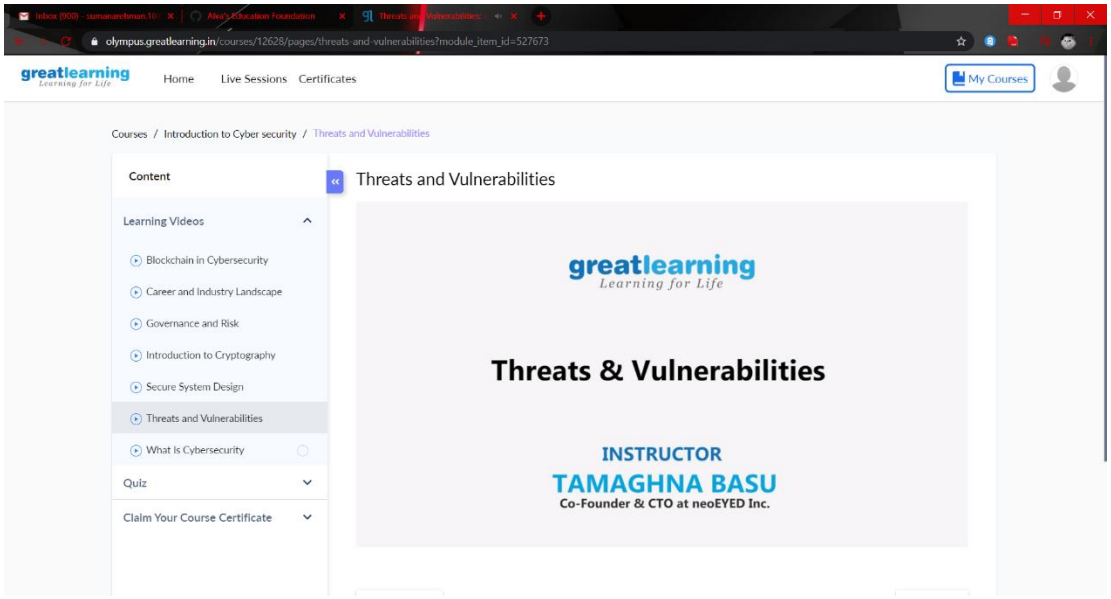
DAILY ONLINE ACTIVITIES SUMMARY

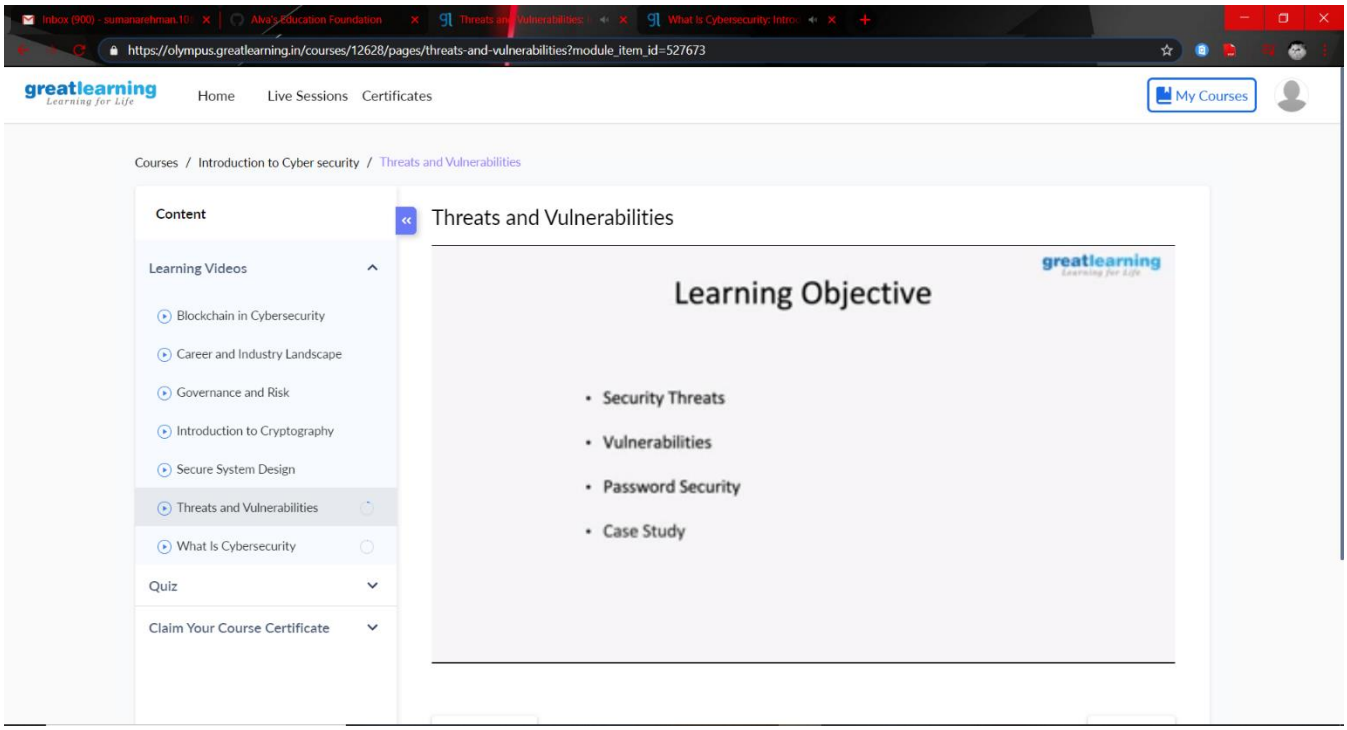
Date:	**27/5/2020**	**Name:**	**Sumana**
Sem & Sec	**8th Sem B**	**USN:**	**4AL16CS107**
Online Test Summary			
Subject	**IOT**		
Max. Marks	**30**	**Score**	**28**
Certification Course Summary			
Course	**Introduction to Cyber Security**		
Certificate Provider	**greatlearning.in**	**Duration**	**7 hrs**
Coding Challenges			
Problem Statement: write a c program to sort an array of integers in ascending order and display the sorted array and number of passes performed for sorting			
Status: Completed			
Uploaded the report in Github	**Yes**		
If yes Repository name	**Alvas-education-foundation/Sumana**		
Uploaded the report in slack	**yes**		

Online Test Details:



Certification Course Details:





Coding Challenges:

```
#include
 void swap(int *xp, int *yp)
{
      int temp = *xp;
      *xp = *yp;
      *yp = temp;
}

int bubbleSort(int arr[], int n)
{
      int i, j,count=0;
      int swapped;
      for (i = 0; i < n-1; i++)
      {
            swapped = 0;
            for (j = 0; j < n-i-1; j++)
            {
             if (arr[j] > arr[j+1])
             {
                 swap(&arr[j], &arr[j+1]);
                 swapped = 1;
                 count++;
              }

             }
            if (swapped == 0)
```

```
            break;
        }
        return count;
 }
void printArray(int arr[], int size)
{
            int i;
             for (i=0; i < size; i++)
                  printf("%d ", arr[i]); printf("\n");
 }
int main()
{
             int arr[50],num;
             printf("enter the number of elements");
             scanf("%d",&num);
             printf("enter the elements");
             for(int i=0;i<num;i++)
            {
                scanf(“%d”,&arr[i]);
            }
            int c=bubbleSort(arr, num);
            printf("Sorted array: \n");
            printArray(arr, num);
            printf("Number of passes:%d\n",c);
            return 0;
}
```