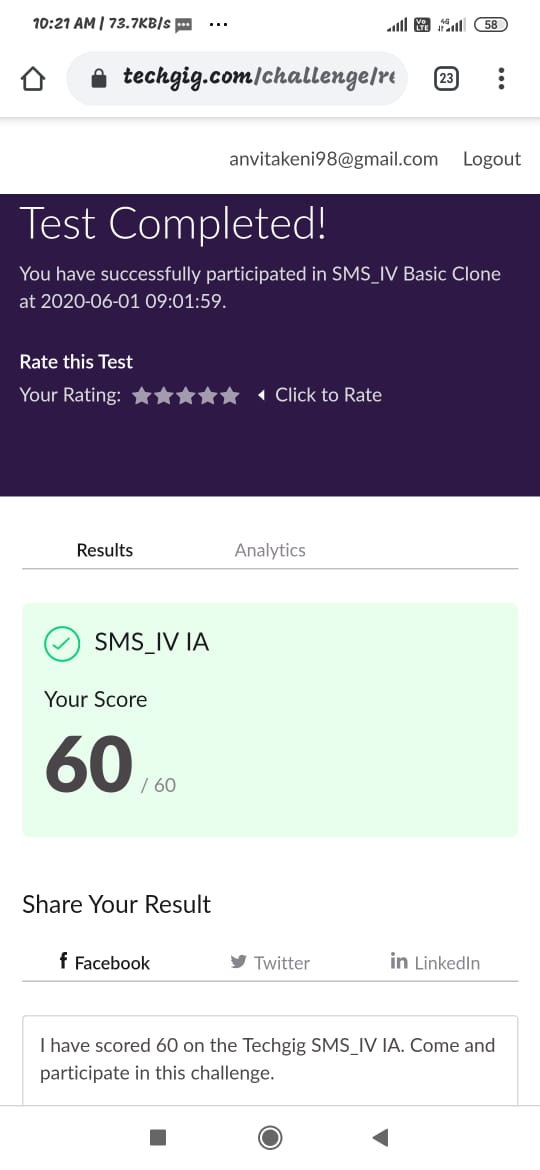
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **01-06-2020** | | | | | **Name:** | **Anvita Keni** | |
| **Sem & Sec** | **8th sem, A sec** | | | | | **USN:** | **4AL16CS016** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **SMS** | | | | | | |
| **Max. Marks** | | **60** | | **Score** | | | **60** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Introduction to Hadoop** | | | | | | | |
| **Certificate Provider** | | | **Great Learning Academy** | | **Duration** | | | 4 hour |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:** Write Program to sort an array of integers in ascending order and display the sorted array and Number of passes performed for sorting.   |  | | --- | |  | |  | |  | | | | | | | | | |
| **Status:Solved** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **Yes** | | | |
| **If yes Repository name** | | | | | **Anvita\_Keni** | | | |
| **Uploaded the report in slack** | | | | | **Yes** | | | |

Online test details:



Certification Course Details:



Online coding Details:

|  |  |  |
| --- | --- | --- |
| Write Program to sort an array of integers in ascending order and display the sorted array and Number of passes performed for sorting. | | |
|  |  |
|  | #include <stdio.h> |
|  | 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; |
|  | } |