**DAILY ONLINE ACTIVITIES SUMMARY**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **10-07-2020** | | | | | **Name:** | **Prashanth S** | |
| **Sem & Sec** | **8th sem B sec** | | | | | **USN:** | **4AL16CS069** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | |  | | | | | | |
| **Max. Marks** | |  | | **Score** | | |  | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Robotic process automation** | | | | | | | |
| **Certificate Provider** | | | **GUVI** | | **Duration** | | | **3hr** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:** **Quick sort in python** | | | | | | | | |
| **Status: completed** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **yes** | | | |
| **If yes Repository name** | | | | | **prashanth** | | | |
| **Uploaded the report in slack** | | | | | **yes** | | | |

Online Test Details: (Attach the snapshot and briefly write the report for the same)

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

COMPLETED

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Coding was given n it was uploaded for github and slack

PROGRAM1

def partition(arr,low,high):

i = ( low-1 ) # index of smaller element

pivot = arr[high] # pivot

for j in range(low , high):

if arr[j] <= pivot:

i = i+1

arr[i],arr[j] = arr[j],arr[i]

arr[i+1],arr[high] = arr[high],arr[i+1]

return ( i+1 )

def quickSort(arr,low,high):

if low < high:

pi = partition(arr,low,high)

quickSort(arr, low, pi-1)

quickSort(arr, pi+1, high)

arr = [10, 7, 8, 9, 1, 5]

n = len(arr)

quickSort(arr,0,n-1)

print ("Sorted array is:")

for i in range(n):

print ("%d" %arr[i]),