**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **07-06-2020** | | | | | **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:** **binary search 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 binary\_search(item\_list,item):

first = 0

last = len(item\_list)-1

found = False

while( first<=last and not found):

mid = (first + last)//2

if item\_list[mid] == item :

found = True

else:

if item < item\_list[mid]:

last = mid - 1

else:

first = mid + 1

return found

list1 = [int(item) for item in input("Enter the number to perform binary search : ").split()]

print(binary\_search(list1,len(list1))