**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **03/07/2020** | | | | **Name:** | **Syed Rabeya Aamir** | |
| **Sem & Sec** | **8th B** | | | | **USN:** | **4AL16CS112** | |
| Online Test Summary | | | | | | | |
| **Subject** | | **\_\_** | | | | | |
| **Max. Marks** | | **\_\_** | | **Score** | | **---** | |
| Certification Course Summary | | | | | | | |
| **Course** | **INTRODUCTION TO INFORMATION SECURITY.** | | | | | | |
| **Certificate Provider** | | | **Great Learning** | **Duration** | | | **5.5 hrs** |
| Coding Challenges | | | | | | | |
| **Problem Statement:**  **1)**  Python code to demonstrate length of list Performance Analysis. | | | | | | | |
| **Status: Solved** | | | | | | | |
| **Uploaded the report in Github** | | | | **YES** | | | |
| **If yes Repository name** | | | | **rabeya** | | | |
| **Uploaded the report in slack** | | | | **YES** | | | |

**Certification Course Details:**



# CODE:

Program no:1

# Python code to demonstrate length of list Performance Analysis.

from operator import length\_hint

import time

# Initializing list

test\_list = [ 1, 4, 5, 7, 8 ]

# Printing test\_list

print ("The list is : " + str(test\_list))

start\_time\_naive = time.time()

counter = 0

for i in test\_list:

counter = counter + 1

end\_time\_naive = str(time.time() - start\_time\_naive)

start\_time\_len = time.time()

list\_len = len(test\_list)

end\_time\_len = str(time.time() - start\_time\_len)

start\_time\_hint = time.time()

list\_len\_hint = length\_hint(test\_list)

end\_time\_hint = str(time.time() - start\_time\_hint)

# Printing Times of each

print ("Time taken using naive method is : " + end\_time\_naive)

print ("Time taken using len() is : " + end\_time\_len)

print ("Time taken using length\_hint()