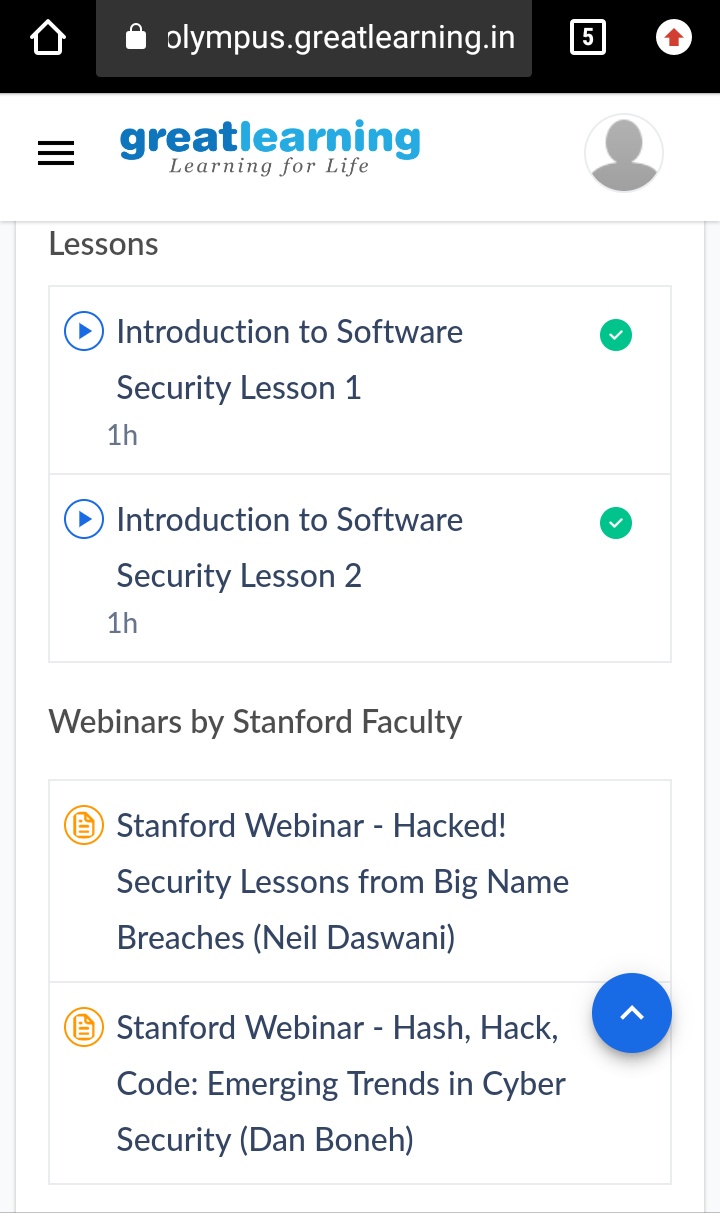
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **14/06/2020** | | | | **Name:** | **Vandana E V** | |
| **Sem & Sec** | **8th A** | | | | **USN:** | **4AL15CS103** | |
| Online Test Summary | | | | | | | |
| **Subject** | |  | | | | | |
| **Max. Marks** | |  | | **Score** | |  | |
| Certification Course Summary | | | | | | | |
| **Course** | **Introduction to Information Security** | | | | | | |
| **Certificate Provider** | | | **Great Learning Academy** | **Duration** | | | **5.5 hrs** |
| Coding Challenges | | | | | | | |
| **Problem Statement:** P**ython Program for QuickSort.** | | | | | | | |
| **Status: Solved** | | | | | | | |
| **Uploaded the report in Github** | | | | **YES** | | | |
| **If yes Repository name** | | | | **Vandana** | | | |
| **Uploaded the report in slack** | | | | **YES** | | | |

**Certification Course Details:**

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# CODE:

Program no:1

# Python Program for QuickSort.

def partition(arr,low,high):

i = ( low-1 )

pivot = arr[high]

for j in range(low , high):

if arr[j] &lt;= 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 )

# Function to do Quick sort

def quickSort(arr,low,high):

if low &lt; 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 (&quot;Sorted array is:&quot;)

for i in range(n):

print (&quot;%d&quot; %arr[i])