DAILY ONLINE ACTIVITIES SUMMARY

Date:	14/06/2020	Name:	Shaima Abdul Kader
Sem & Sec	8th Sem , B Sec	USN:	4AL16CS087

Online Test Summary			
Subject			
Max. Marks		Score	

Certification Course Summary			
Course	Introduction to BigData(Completed)		
Certificate Provider	IBM	Duration	9 hrs

Coding Challenges	
Problem Statement: **1)** Python Program for QuickSort.	
Status: Solved	
Uploaded the report in Github	YES
If yes Repository name	shaima
Uploaded the report in slack	YES

Certification Course Details:
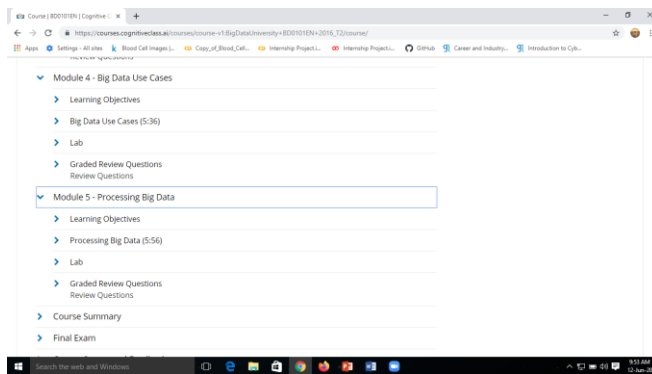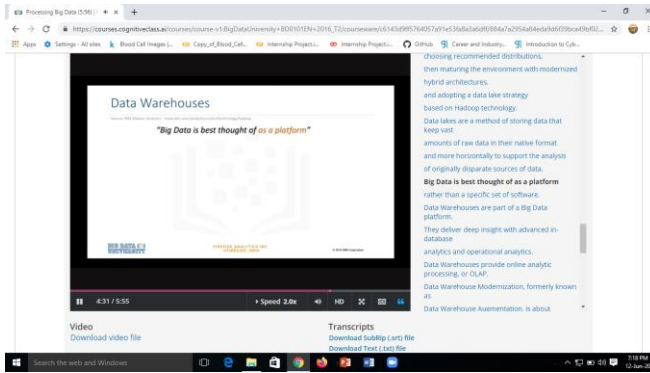
CODE:

Program no:1

```python
# Python Program for QuickSort.

def partition(arr,low,high):
    i = ( low-1 )
    pivot = arr[high]

    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 )
# Function to do Quick sort
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])
```