DAILY ONLINE ACTIVITIES SUMMARY

Date:	31-05-2020	Name:	Vaibhavi
Sem & Sec	8th sem B sec	USN:	4al16cs115

Online Test Summary			
Subject	IOT		
Max. Marks	20	Score	17

Certification Course Summary			
Course	Machine learning		
Certificate Provider	Great learning website	Duration	10-12.30

Coding Challenges
Problem Statement-write a c program to sort an array of integers in ascending or descending order and display the sorted array and number of passes performed for sorting .
Status: completed

Uploaded the report in Github	yes
If yes Repository name	Vaibhavisahukar
Uploaded the report in slack	yes

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

Test was good and was not able to see the platform properly as the platform was not

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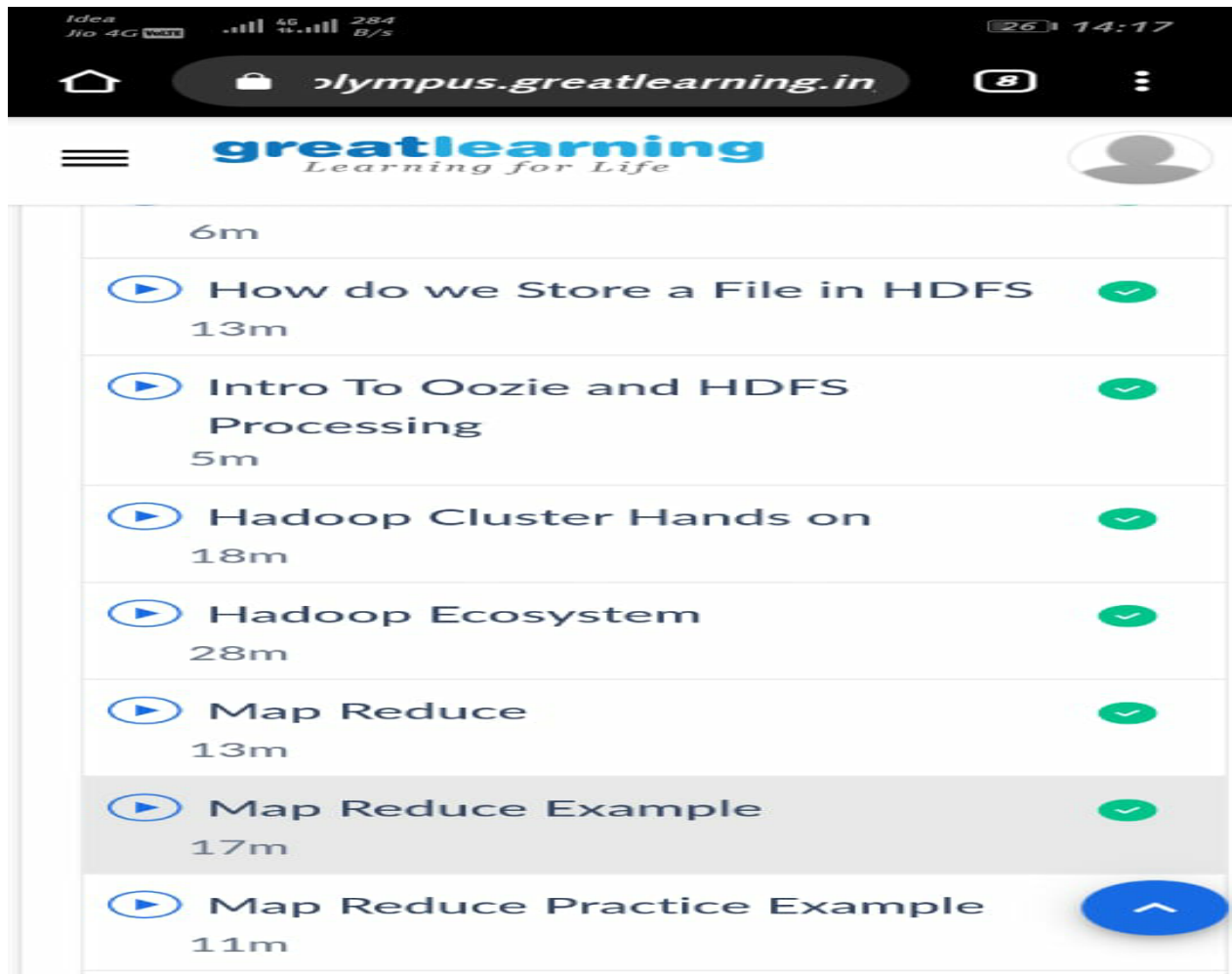
Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Saw videos related to Hadoop n introduction was given to haddop about using Hadoop

What is distribution computing?
Distributed computing is a model in which components of a software system are shared among multiple computers to improve efficiency and performance.
The Distributed Computing Environment (DCE) is a widely-used industry standard that supports this kind of distributed computing. On the Internet, third-party service providers now offer some generalized services that fit into this model. One of the first uses of grid computing was the breaking of a cryptographic code by a group that is now known as

distributed.net. That group also describes its model as distributed computing.

Hadoop Architecture

Apache Hadoop offers a scalable, flexible and reliable distributed computing big data framework for a cluster of systems with storage capacity and local computing power by leveraging commodity hardware. Hadoop follows a Master Slave architecture for the transformation and analysis of large datasets using Hadoop MapReduce paradigm.

The 3 important hadoop components that play a vital role in the Hadoop architecture are -

Hadoop Distributed File System (HDFS) – Patterned after the UNIX file system

Hadoop MapReduce

Yet Another Resource Negotiator (YARN

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

```c
#include stdio.h
void swap(int *xp, int *yp)
{
int temp = *xp;
*xp = *yp;
*yp = temp;
}
int bubbleSort(int arr[], int n)
{
int i, j,count= 0;
int swapped;
for (i = 0; i < n-1; i++)
{
swapped = 0;
for (j = 0; j < n-i-1; j++)
{
```

```c
        if (arr[j] >  arr[j+ 1])
 {
swap(& arr[j], & arr[j+ 1]);
 swapped =  1;
 count+ + ;
}
 }
 if (swapped = =  0)
break;
 }
 return count;
 }
 void printArray(int arr[], int size)
{
int i;
 for (i= 0; i <  size; i+ + )
 printf("% d ", arr[i])
 printf("\n");
 }
 int main()
 {
 int arr[50],num;
printf("enter the number of elements");
 scanf("% d",& num);
 printf("enter the elements");
 for(int i= 0;i= n;i+ + )
 }
```