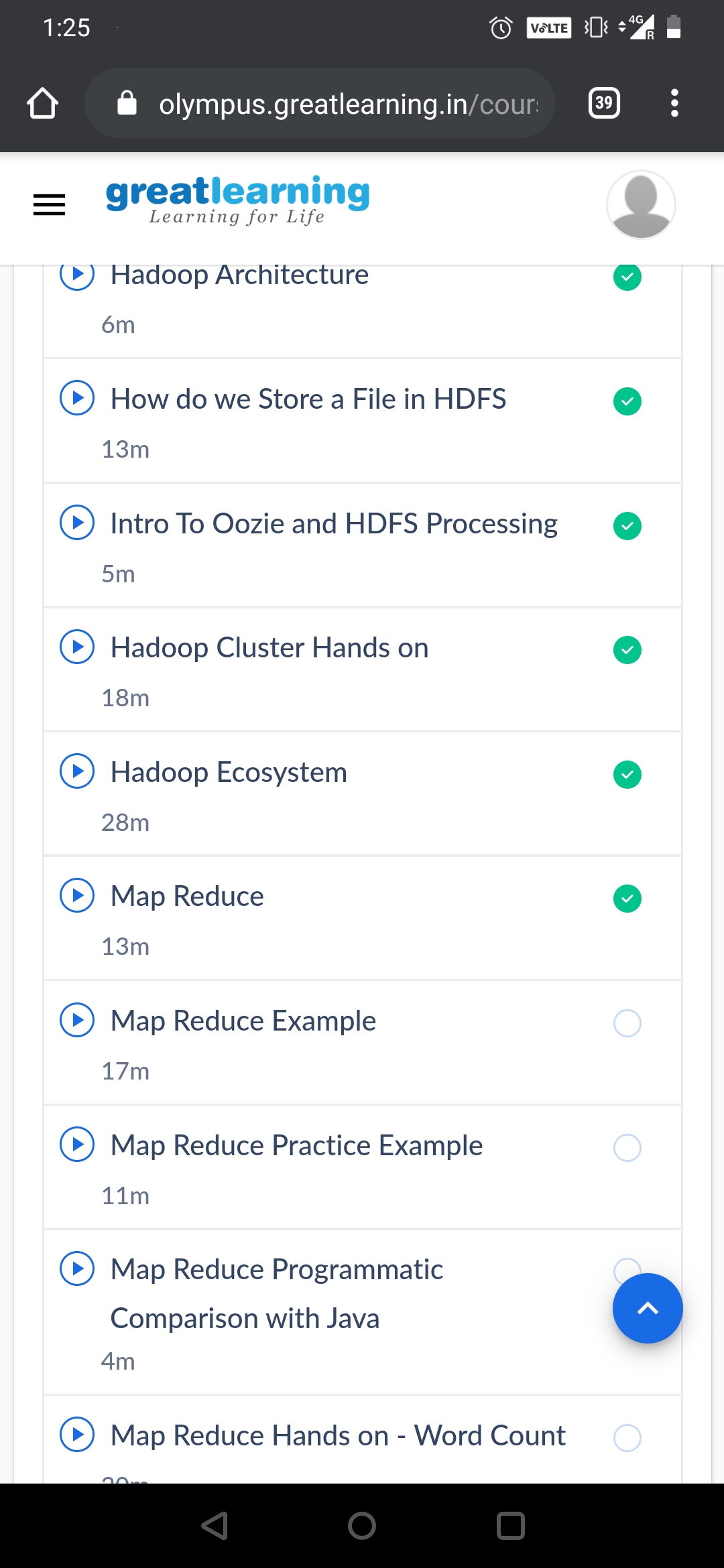
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **23/05/2020** | | | | **Name:** | **Syed Rabeya Aamir** | |
| **Sem & Sec** | **8th B** | | | | **USN:** | **4AL16CS112** | |
| Online Test Summary | | | | | | | |
| **Subject** | | **----** | | | | | |
| **Max. Marks** | | **----** | | **Score** | | **----** | |
| Certification Course Summary | | | | | | | |
| **Course** | **Introduction to Hadoop** | | | | | | |
| **Certificate Provider** | | | **Great learning** | **Duration** | | | **20 mins** |
| Coding Challenges | | | | | | | |
| **Problem Statement:**  **1)** Find the number that is missing from the array containing n distinct number taken from 0,1,2....n | | | | | | | |
| **Status: Solved** | | | | | | | |
| **Uploaded the report in Github** | | | | **YES** | | | |
| **If yes Repository name** | | | | **rabeya** | | | |
| **Uploaded the report in slack** | | | | **YES** | | | |

**Online Test Details**:

( not conducted)

**Certification Course Details:**



# Map Reduce:

# MapReduce is a framework using which we can write applications to process huge amounts of data, in parallel, on large clusters of commodity hardware in a reliable manner.

# MapReduce is a processing technique and a program model for distributed computing based on java. The MapReduce algorithm contains two important tasks, namely Map and Reduce. Map takes a set of data and converts it into another set of data, where individual elements are broken down into tuples (key/value pairs). Secondly, reduce task, which takes the output from a map as an input and combines those data tuples into a smaller set of tuples. As the sequence of the name MapReduce implies, the reduce task is always performed after the map job.

# CODE:

Program no:1

###Find the number that is missing from the array containing n distinct number taken from 0,1,2....n###

#include <stdio.h>

int getMissingNo(int a[], int n)

{

int i, total;

total = (n + 1) \* (n + 2) / 2;

for (i = 0; i < n; i++)

total -= a[i];

return total;

}

int main()

{

int a[] = { 1, 2, 4, 5, 6 };

int miss = getMissingNo(a, 5);

printf("%d", miss);

getchar();

}