**DAILY ONLINE ACTIVITIES SUMMARY**

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| **Date:** | **27-5-2020** | | | | | **Name:** | **Prajna** | |
| **Sem & Sec** | **8th sem ‘B’** | | | | | **USN:** | **4AL16CS067** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **IOT** | | | | | | |
| **Max. Marks** | | **30** | | **Score** | | | **23** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Getting started: Hadoop** | | | | | | | |
| **Certificate Provider** | | | **Great Learning** | | **Duration** | | | **30min** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:**1**.** Write a c program for bubblesort. | | | | | | | | |
| **Status: Completed** | | | | | | | | |
| **Uploaded the report in GitHub**  **GitHub link:** | | | | | **Yes**  **https://github.com/alvas-education-foundation/prajna\_k** | | | |
| **If yes Repository name** | | | | | **prajna\_k** | | | |
| **Uploaded the report in slack** | | | | | **yes** | | | |

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

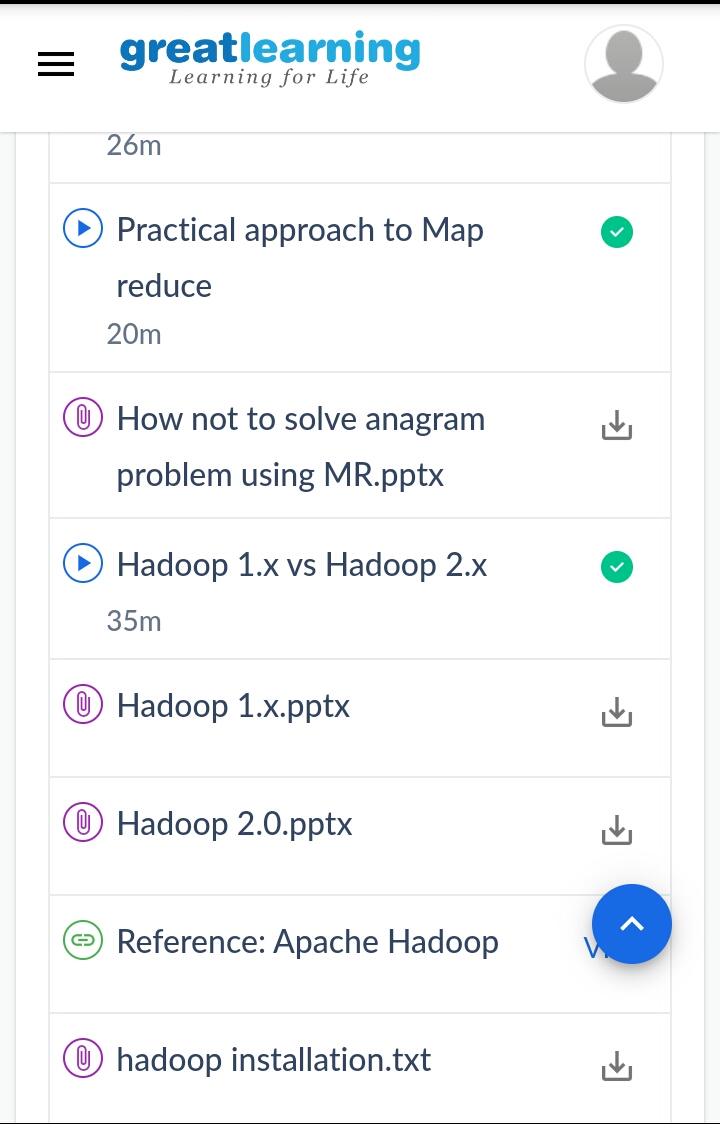
Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

1)online test



2) certification course



3) coding challenges

**Program 1**

#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++)  
{  
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<num;i++){  
scanf("%d",&arr[i]);  
}  
int c=bubbleSort(arr, num);  
printf("Sorted array: \n");  
printArray(arr, num);  
printf("Number of passes:%d\n",c);  
return 0;  
}

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