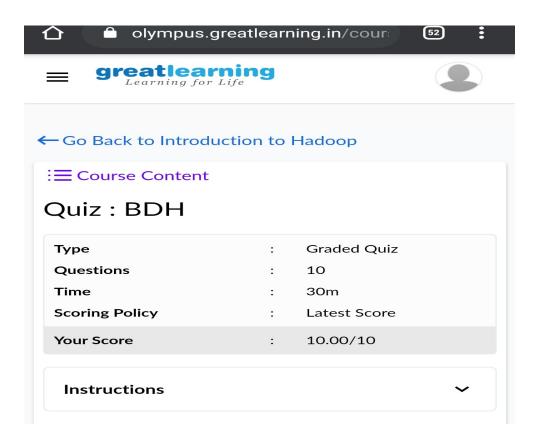
DAILY ONLINE ACTIVITIES SUMMARY

Date:	28-05-20	20	Name:	Vaibhavi	
Sem & Sec	8th sem B	sec	USN:	4al16cs	s115
		Online Tes	t Summary	7	
Subject	SMS				
Max. Marks	60		Score 60		
Certification Course Summary					
Course	Introduction to hadoop				
Certificate Provider		Great learning website	Duration		10-12.30
Coding Challenges					
		rite a c program to sort a orted array and number o			
Status: com	pleted				
Uploaded the report in Github			yes		
If yes Repository name			Vaibhavisahukar		
Uploaded the report in slack			yes		
			•		

Certification Course Details:



Program no:1

###In Bubble sort, each pass consists of comparison each element in the file with its successor (i.e. x[i] with x[i+1]) and interchanging two elements if they are not in the proper order. The array may be sorted in any pass. If the array is sorted, then remaining passes should be skipped off. Write a C Program to sort an array of integers in ascending order and display the sorted array and Number of passes performed for sorting..###

```
#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++){</pre>
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;
```