





# DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	27-05-2020	<b>Name:</b>	Vaibhavi
<b>Sem &amp; Sec</b>	8 <sup>th</sup> sem B sec	<b>USN:</b>	4al16cs115
<b>Online Test Summary</b>			
<b>Subject</b>	Iot		
<b>Max. Marks</b>	30	<b>Score</b>	28
<b>Certification Course Summary</b>			
<b>Course</b>	Introduction to hadoop		
<b>Certificate Provider</b>	Great learning website	<b>Duration</b>	10-12.30
<b>Coding Challenges</b>			
<b>Problem Statement</b> -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 .			
<b>Status: completed</b>			
<b>Uploaded the report in Github</b>		yes	
<b>If yes Repository name</b>		Vaibhavisahukar	
<b>Uploaded the report in slack</b>		yes	

## Online Test Details:

 techgig.com/challenge/yke6cy 

**Challenge Over**

IoT IA2

 by  
TechGig




**MCQ**  
Your Highest Score 28  
Max Score 30  
[Start Test](#)









Winners

### Rules

1. Any participant can attempt the assessment only 1 times, Only your best score counts!!
2. There will be no negative marking.
3. Time duration is 45 minutes.
4. In case your session expires before finishing the test, you can re-take the test. Your test will resume from where you left off, and the total time will reduce by the duration of your previous attempt.

## Certification Course Details:



	Map Reduce Word Count Code	
	40m	
	Yarn	
	18m	
In class Material		
	Master Slide -BDH.pptx	
	Introduction to Big Data -BDH.pptx	

## Yarn:

YARN is an Apache Hadoop technology and stands for Yet Another Resource Negotiator. YARN is a large-scale, distributed operating system for big data applications. The technology is designed for cluster management and is one of the key features in the second generation of Hadoop, the Apache Software Foundation's open source distributed processing framework. YARN is a software rewrite that is capable of decoupling MapReduce's resource management and scheduling capabilities from the data processing component.

### Benefits of YARN:

The benefit of this is that it enables Hadoop to support more varied processing approaches and a broader array of applications, such as Hadoop clusters now being able to run interactive querying and streaming data applications along

with MapReduce batch jobs. Combining a central resource management with node manager agents that monitor the processing operations of individual cluster nodes has helped to increase the appeal of YARN and Hadoop.

The separation of HDFS from MapReduce with YARN has made Hadoop more suitable for operational applications that can't wait for batch jobs to finish.

## **CODE:**

### **Program no:1**

####Write a C program to print all permutations of a given string using pointers.###

```
#include <stdio.h>
#include <string.h>
void swap (char *x, char *y)
{
    char temp;
    temp = *x;
    *x = *y;
    *y = temp;
}
void permute(char *a, int i, int n)
{
    int j;
    if (i == n)
        printf("%s\n", a);
    else {
        for (j = i; j <= n; j++)
        {
            swap((a + i), (a + j));
            permute(a, i + 1, n);
            swap((a + i), (a + j));
        }
    }
}
int main()
{
    char a[20];
    int n;
    printf("Enter a string: ");
    scanf("%s", a);
    n = strlen(a);
    printf("Permutaions:\n");
    permute(a, 0, n - 1);
    getchar();
    return 0;
}
```