

## DAILY ONLINE ACTIVITIES SUMMARY

Date:	26/06/2020	Name:	Chethana j
Sem & Sec	6 <sup>th</sup> A	USN:	4al17cs022
<b>Online Test Summary</b>			
Subject			
Max. Marks		Score	
<b>Certification Course Summary</b>			
Pre placement training	9:00 am to 11:00 am - Cryptography 11:00 am to 1:00pm – Data Structures		
Faculty	Mr. Manjunath Kothari Mr. Venkatesh	Duration	4hrs.
<b>Coding Challenges</b>			
<b>Problem Statement:</b>  1. Write a program to print all permutations of a given string.			
<b>Status: Completed</b>			
Uploaded the report in Github		yes	
If yes Repository name		<a href="https://github.com/Jchethana1990/online-course">https://github.com/Jchethana1990/online-course</a> <a href="https://github.com/Jchethana1990/Machine-learning-workshop">https://github.com/Jchethana1990/Machine-learning-workshop</a>	
Uploaded the report in slack		yes	

Training snapshot:

The screenshot shows a Google Meet window. The main presentation slide has the title "Binary Tree" in a large font. Below the title, the text reads: "A tree whose elements have at most 2 children is called a binary tree. Since each element in a binary tree can have only 2 children, we typically name them the left and right child." On the right side of the window, there is a vertical list of participants: Venkatesh Bhat (presenting), ASHIKA KULAL, Methish Gowda, Venkatesh Bhat, and Reena Lobo. The bottom of the window shows the Windows taskbar with various application icons and the system clock indicating 11:22 AM on 6/26/2020.

## PROGRAMM

1. Write a program to print all permutations of a given string.

The screenshot displays a Java program on the 'codingground' website, which is used for compiling and executing Java code online (JDK 1.8.0). The program is named 'Permutation' and is designed to print all permutations of the string "ABC".

```
1 public class Permutation
2 {
3     public static void main(String[] args)
4     {
5         String str = "ABC";
6         int n = str.length();
7         Permutation permutation = new Permutation();
8         permutation.permute(str, 0, n-1);
9     }
10    private void permute(String str, int l, int r)
11    {
12        if (l == r)
13            System.out.println(str);
14        else
15        {
16            for (int i = l; i <= r; i++)
17            {
18                str = swap(str, l, i);
19                permute(str, l+1, r);
20                str = swap(str, l, i);
21            }
22        }
23    }
24    public String swap(String a, int i, int j)
25    {
26        char temp;
27        char[] charArray = a.toCharArray();
28        temp = charArray[i];
29        charArray[i] = charArray[j];
30        charArray[j] = temp;
31        return String.valueOf(charArray);
32    }
33 }
```

The output of the program, shown in the 'Result' pane, lists all six permutations of the string "ABC":

```
$javac Permutation.java
$java -Xmx128M -Xms16M Permutation
ABC
ACB
BAC
BCA
CBA
CAB
```

## **Assessments:**

**Uploaded in Github account and respective links are provided.**

<https://github.com/Jchethana1990/Machine-learning-workshop>