

DAILY ONLINE ACTIVITIES SUMMARY

Date:	23-06-2020	Name:	M.C Suchithra Heggade
Sem & Sec	6th Sem 'A' Sec	USN:	4AL17CS047
Online Test Summary			
Subject	Java and J2EE Data Structure with C PAP assignment 4		
Max. Marks	--	Score	--
Certification Course Summary			
Course	Placement training		
Certificate Provider	--	Duration	--
Coding Challenges			
Problem Statement: 2 programs			
Status: done			
Uploaded the report in Github		yes	
If yes Repository name		https://github.com/Suchitraheggade/certification-on-Online-coding https://github.com/Suchithraheggade/Workshop-on-Application-Python-Program	
Uploaded the report in slack		yes	

Class and Quiz Snapshots:

PAP Assignment 4:

Test Completed!

You have successfully participated in PAP Assignment 4.

Rate this Test

Your Rating: ★★★★★ • Click to Rate

Results Analytics

Round1

Your Score 16/20

Java and J2

Java Class & Objects

Class

Person

Data Members

- unique_id
- name
- age
- city
- gender

Methods

- eat()
- study()
- sleep()
- play()

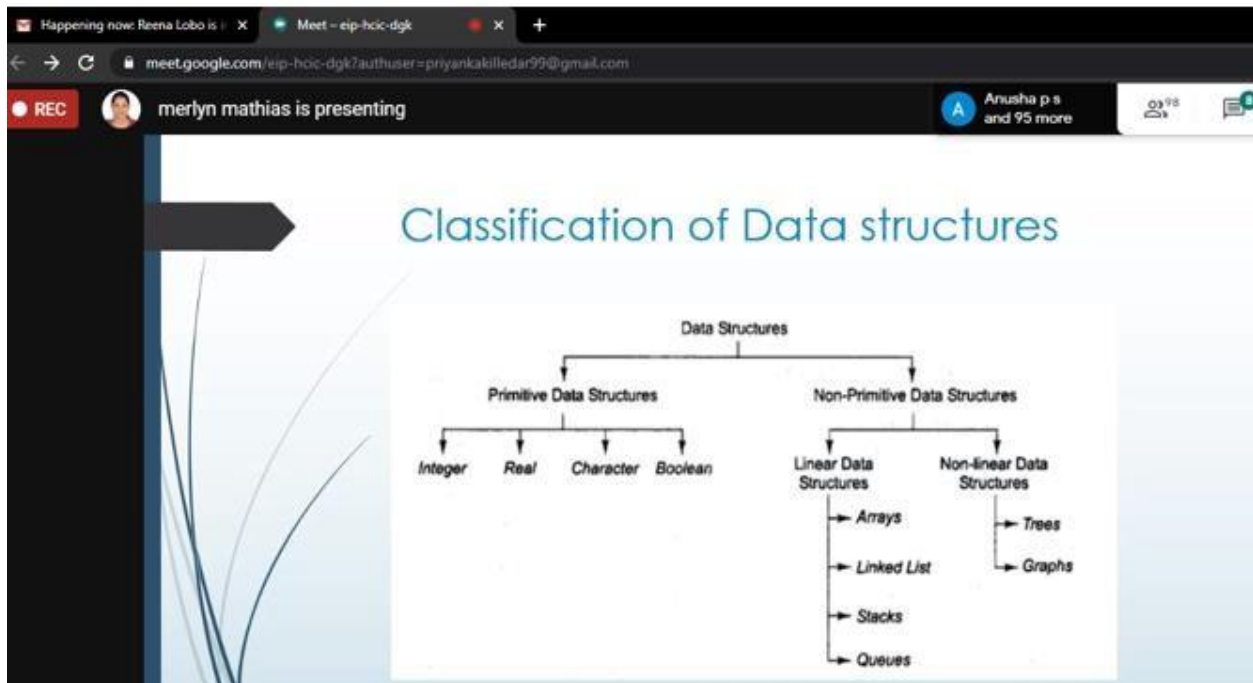
Object 1

- name- John
- age- 35
- city- Delhi
- gender- male

Object 2

- name- Dessy
- age- 20
- city- Pune
- gender- female

Data Structures with C (time 11 to 1):



Coding Challenges Details:

1.Sort a stack

Write a C Program to Sort a stack using a temporary stack.

The screenshot shows the OnlineGDB website interface. On the left is a sidebar with navigation links: 'Welcome, Priyanka Killedar', 'Create New Project', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', and 'Logout'. Below these are social media icons for Facebook, Twitter, and a '+33,3K' button. The main area displays a C program for sorting a stack using a temporary stack. The code is as follows:

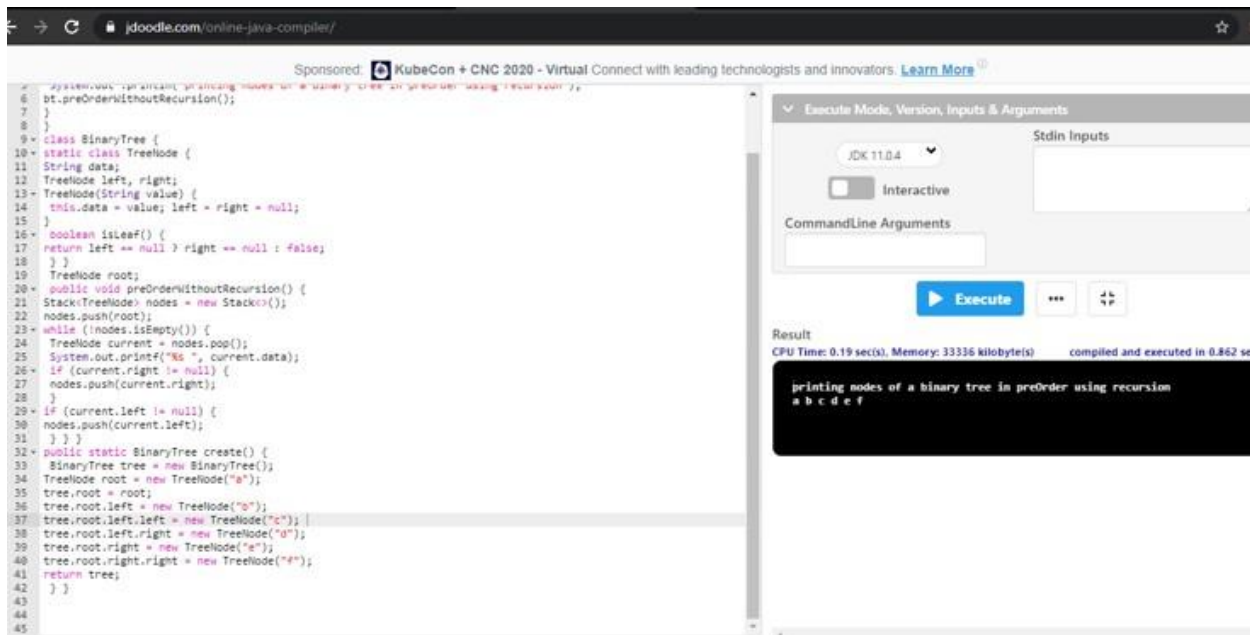
```
#include <stdio.h>
#include <stdlib.h>

int main() {
    int n, i, j;
    int stack[100], temp[100];
    scanf("%d", &n);
    for (i = 0; i < n; i++) {
        scanf("%d", &stack[i]);
    }
    for (i = 0; i < n; i++) {
        for (j = 0; j < n - i; j++) {
            if (stack[j] > stack[j + 1]) {
                temp[j] = stack[j];
                stack[j] = stack[j + 1];
                stack[j + 1] = temp[j];
            }
        }
    }
    for (i = 0; i < n; i++) {
        printf("%d ", stack[i]);
    }
    printf("\n");
    return 0;
}
```

The output shows the sorted numbers: 98 92 34 31 23 3. The program finished with exit code 0.

2.BT preorder

Write a Java Program to traverse a binary tree using PreOrder traversal without recursion.



The screenshot shows a web-based Java IDE (JDoodle.com) with a Java program for PreOrder traversal of a binary tree without recursion. The program defines a `BinaryTree` class with a `TreeNode` inner class. It uses a stack to simulate the recursive process. The `preOrderWithoutRecursion()` method prints the nodes in the order: a, b, c, d, e, f. The `create()` method builds a binary tree with root 'a', left child 'b', right child 'c', and so on.

```
6 bt.preOrderWithoutRecursion();
7 }
8 }
9 class BinaryTree {
10 static class TreeNode {
11 String data;
12 TreeNode left, right;
13 }
14 public void preOrderWithoutRecursion() {
15 Stack<TreeNode> nodes = new Stack<>();
16 nodes.push(root);
17 while (!nodes.isEmpty()) {
18 TreeNode current = nodes.pop();
19 System.out.print(current.data);
20 if (current.left != null) {
21 nodes.push(current.left);
22 }
23 if (current.right != null) {
24 nodes.push(current.right);
25 }
26 }
27 }
28 public static BinaryTree create() {
29 BinaryTree tree = new BinaryTree();
30 TreeNode root = new TreeNode("a");
31 tree.root = root;
32 tree.root.left = new TreeNode("b");
33 tree.root.left.left = new TreeNode("c");
34 tree.root.left.right = new TreeNode("d");
35 tree.root.right = new TreeNode("e");
36 tree.root.right.right = new TreeNode("f");
37 return tree;
38 }
39 }
40 }
41 }
42 }
43 }
44 }
45 }
```

Result
CPU Time: 0.19 sec(s), Memory: 33336 kilobyte(s) compiled and executed in 0.862 se

printing nodes of a binary tree in preOrder using recursion
a b c d e f

Refer the github link for detail information :

<https://github.com/Suchitraheggade/Workshop-on-Application-Python-Program>

Solved all the problems and the solutions are uploaded in github account.

<https://github.com/Suchitraheggade/certification-on-Online-coding>

the same report is also available in github: <https://github.com/Suchitraheggade/Daily Updates>