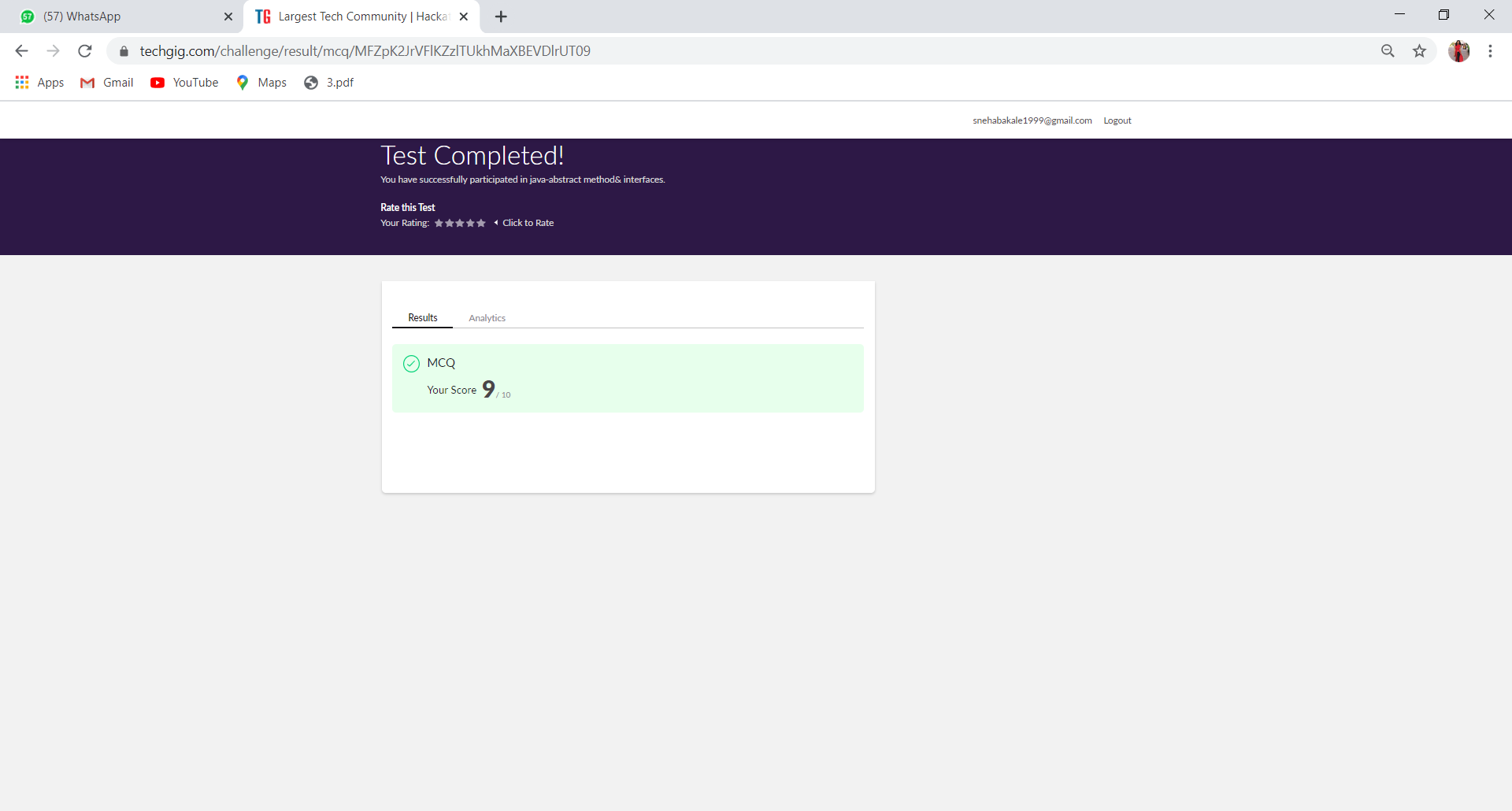
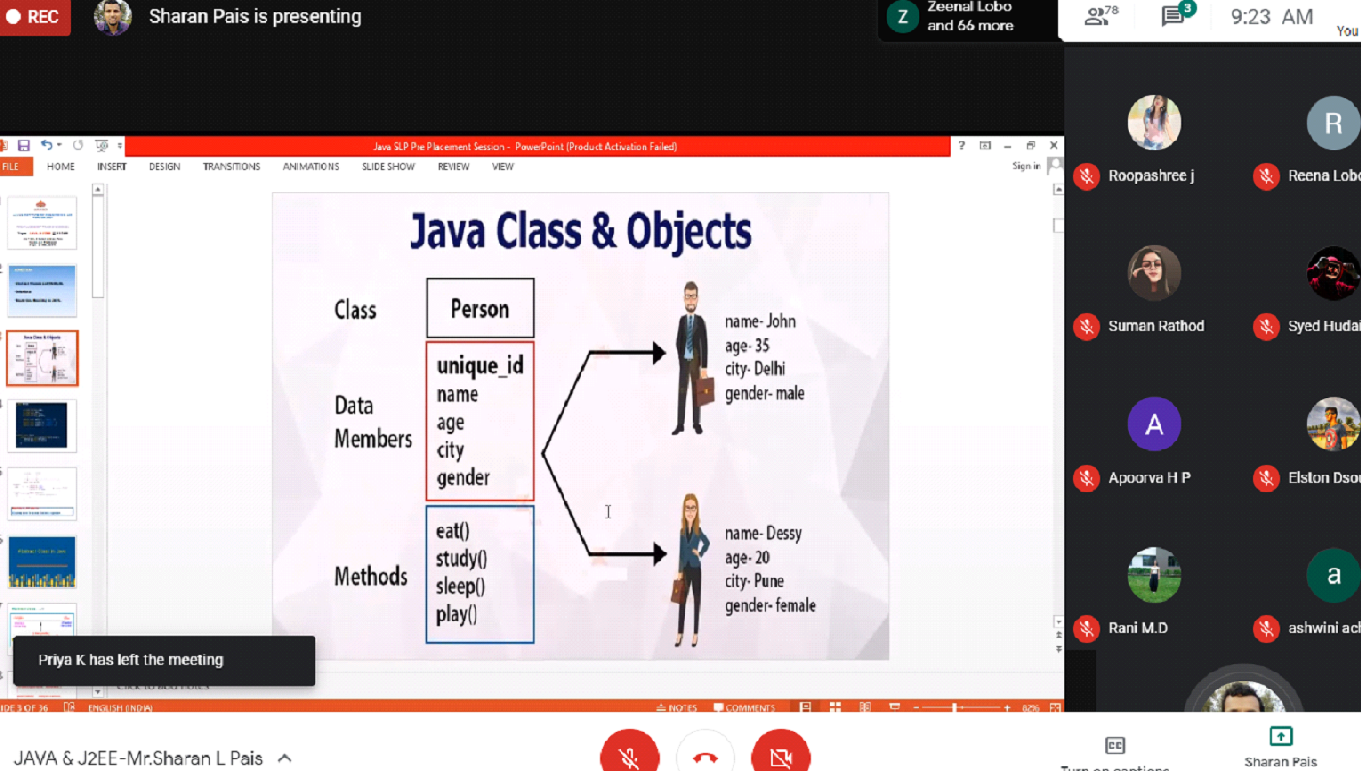
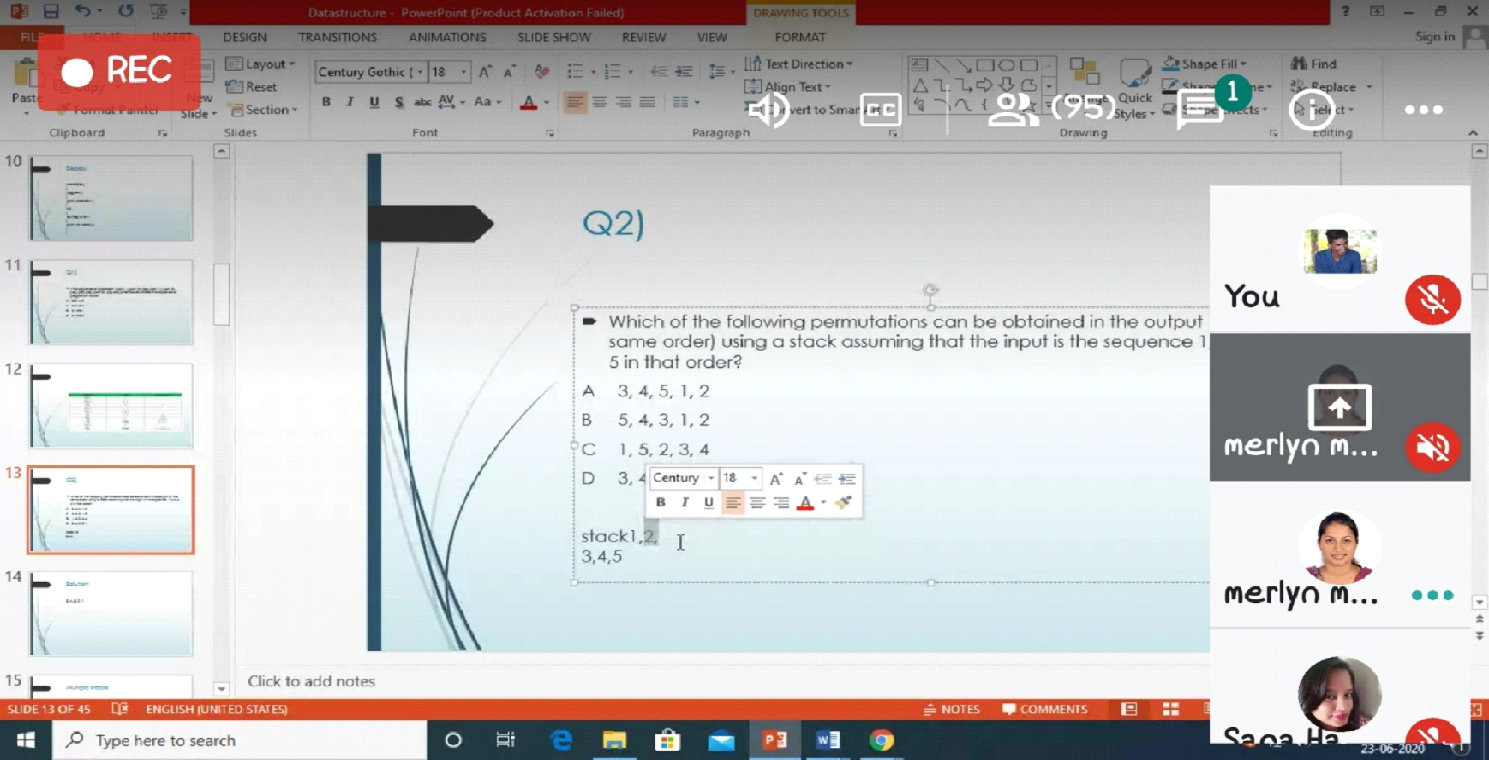
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **23-06-2020** | | | | | **Name:** | **Sneha K Bakale** | |
| **Sem & Sec** | **6th B** | | | | | **USN:** | **4al17cs095** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **PAP assignment test** | | | | | | |
| **Max. Marks** | | **20** | | **Score** | | | **18** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **9:00 am to 11:00 am - Programming in Java**  **11:00 am to 1:00pm - Programming in C** | | | | | | | |
| **Certificate Provider** | | | **Ms. Sharan Pais**  **Mrs. Merlyn mathias** | | **Duration** | | | **4.0 hours** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement: Programs given** | | | | | | | | |
| **Status: Completed** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **Yes** | | | |
| **If yes Repository name** | | | | | **Report-**[**https://github.com/Sneha35/OnlineCourse-And-Coding.git**](https://github.com/Sneha35/OnlineCourse-And-Coding.git) | | | |
| **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.Write a C Program to Sort a stack using a temporary stack**

#include <bits/stdc++.h>

using namespace std;

stack<int> sortStack(stack<int> &input) {

stack<int> tmpStack;

while (!input.empty()) {

int tmp = input.top();

input.pop();

while (!tmpStack.empty() && tmpStack.top() > tmp)

{

input.push(tmpStack.top());

tmpStack.pop();

}

tmpStack.push(tmp);

}

return tmpStack;

}

int main()

{

stack<int> input;

input.push(34);

input.push(3);

input.push(31);

input.push(98);

input.push(92);

input.push(23);

stack<int> tmpStack = sortStack(input);

cout << "Sorted numbers are:\n";

while (!tmpStack.empty())

{

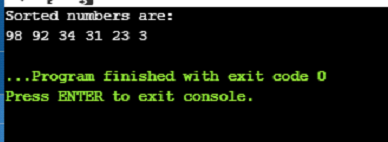
cout << tmpStack.top()<< " ";

tmpStack.pop();

}

}

**Output:**



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

import java.util.Stack;

public class Main {

public static void main(String[] args) throws Exception {

BinaryTree bt = BinaryTree.create();

 System.out .println("printing nodes of a binary tree in preOrder using recursion");

bt.preOrderWithoutRecursion();

}

}

class BinaryTree {

static class TreeNode {

String data;

TreeNode left, right;

TreeNode(String value) {

 this.data = value; left = right = null;

}

boolean isLeaf() {

return left == null ? right == null : false;

} }

TreeNode root;

 public void preOrderWithoutRecursion() {

Stack<TreeNode> nodes = new Stack<>();

nodes.push(root);

while (!nodes.isEmpty()) {

TreeNode current = nodes.pop();

 System.out.printf("%s ", current.data);

 if (current.right != null) {

nodes.push(current.right);

}

if (current.left != null) {

nodes.push(current.left);

} } }

public static BinaryTree create() {

BinaryTree tree = new BinaryTree();

TreeNode root = new TreeNode("a");

tree.root = root;

tree.root.left = new TreeNode("b");

tree.root.left.left = new TreeNode("c");

tree.root.left.right = new TreeNode("d");

tree.root.right = new TreeNode("e");

tree.root.right.right = new TreeNode("f");

return tree;

} }

**Output:**

