DAILY ONLINE ACTIVITIES SUMMARY

Date:	**01-07-2020**	**Name:**	**Anvitha Poojary**
Sem & Sec	**6A**	**USN:**	**4AL17CS008**
Online Test Summary			
Subject	**-**		
Max. Marks	**-**	**Score**	**-**
Certification Course Summary			
Course			
Certificate Provider		**Duration**	
Coding Challenges			
Problem Statement: 1. Write a program to find given two trees are mirror or not.			
Status: completed			
Uploaded the report in Github	**yes**		
If yes Repository name	https://github.com/anvithapo99/Daily-Report		
Uploaded the report in slack	**yes**		

Online coding:

1. Write a program to find given two trees are mirror or not.
Description:
Here are the steps to find out mirrored binary trees:

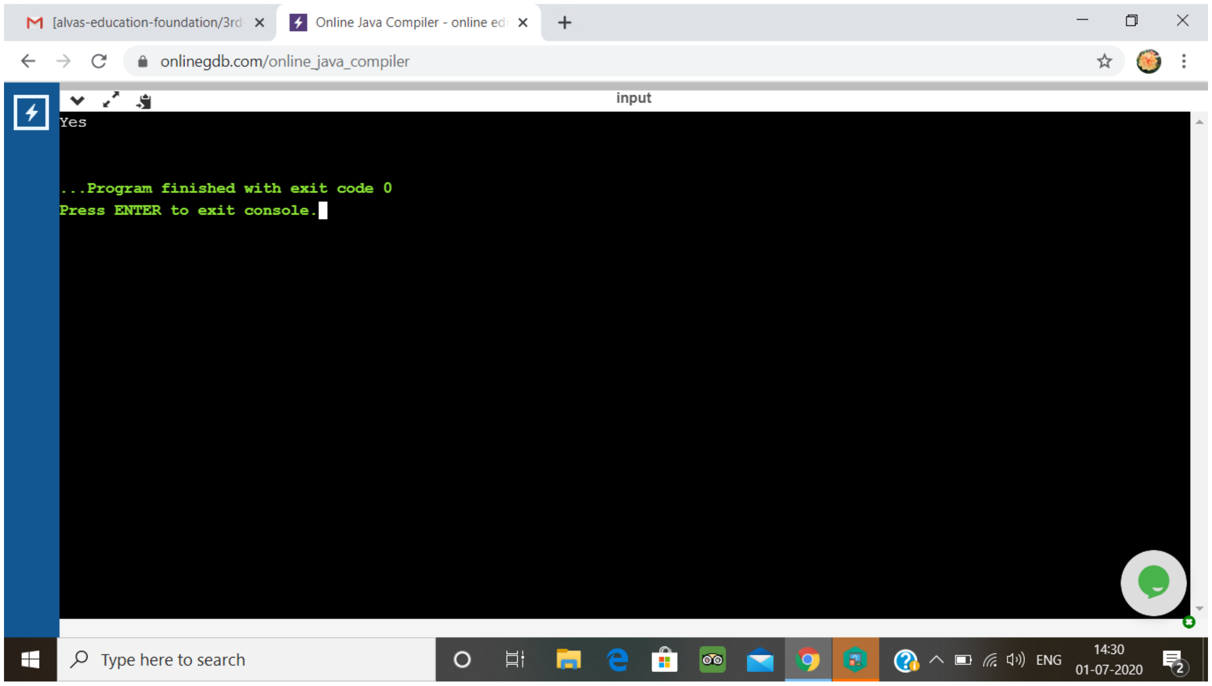
If both given trees root node values are same.
Left subtree of root of first tree is mirror of right subtree of root of second tree.
Right subtree of root of first tree is mirror of left subtree of root of second tree.

```
import java.util.*;

class Main {

static class Node

{

        int data;

        Node left, right;

}

static Node newNode(int data)

{

        Node temp = new Node();

        temp.data = data;

        temp.left = null;

        temp.right = null;

        return temp;

}

static String areMirrors(Node root1, Node root2)

{

        Stack<Node> st1 = new Stack<Node> ();

        Stack<Node> st2 = new Stack<Node> ();

        while (true)
```

```
{
        while (root1 != null && root2 != null)
        {

                if (root1.data != root2.data)
                        return "No";

                st1.push(root1);
                st2.push(root2);
                root1 = root1.left;
                root2 = root2.right;
        }
        if (!(root1 == null && root2 == null))
                return "No";

        if (!st1.isEmpty() && !st2.isEmpty())
        {
                root1 = st1.peek();
                root2 = st2.peek();
                st1.pop();
                st2.pop();
                root1 = root1.right;
                root2 = root2.left;
        }
        else
```

```
                                        break;
                }
                return "Yes";
        }
        public static void main(String[] args)
        {

                Node root1 = newNode(1);
                root1.left = newNode(3);
                root1.right = newNode(2);
                root1.right.left = newNode(5);
                root1.right.right = newNode(4);
                Node root2 = newNode(1);
                root2.left = newNode(2);
                root2.right = newNode(3);
                root2.left.left = newNode(4);
                root2.left.right = newNode(5);

                System.out.println(areMirrors(root1, root2));
        }
        }
```

<u>Output:</u>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Online Java Compiler - online ed
onlinegdb.com/online_java_compiler
input
Type here to search
ENG
14:30
01-07-2020

```
Yes


...Program finished with exit code 0
Press ENTER to exit console.
```