DAILY ONLINE ACTIVITIES SUMMARY

Date:	**18-06-2020**	**Name:**	**Anvitha Poojary**
Sem & Sec	**6A**	**USN:**	**4AL17CS008**
Online Test Summary			
Subject	**C programming and python workshop**		
Max. Marks		**Score**	
Certification Course Summary			
Course	**Workshop exercise solving**		
Certificate Provider		**Duration**	
Coding Challenges			
Problem Statement: Write a Java program to Check if a binary tree is binary search tree or not			
Status:			
Uploaded the report in Github	**yes**		
If yes Repository name	https://github.com/anvithapo99/Daily-Report		
Uploaded the report in slack	**yes**		

Class and Quiz Snapshots:

C programming:

Quiz-5

Total points 2/5

NAME *

Anvitha Poojary

USN *

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✓ What is the output of the program? * 1/1

```
#include <stdio.h>
    int main()
    {
```

Quiz-4

Total points 1/5

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USN *

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✗ What is the output for the following program? * 0/1

```
#include <stdio.h>
    int x;
```

Quiz-6

Total points 2/5

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USN *

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✗ what is the output for the program? * ···/1

```
#include <stdio.h>
    void main()
    {
        int ch;
```

Coding Challenges Details:

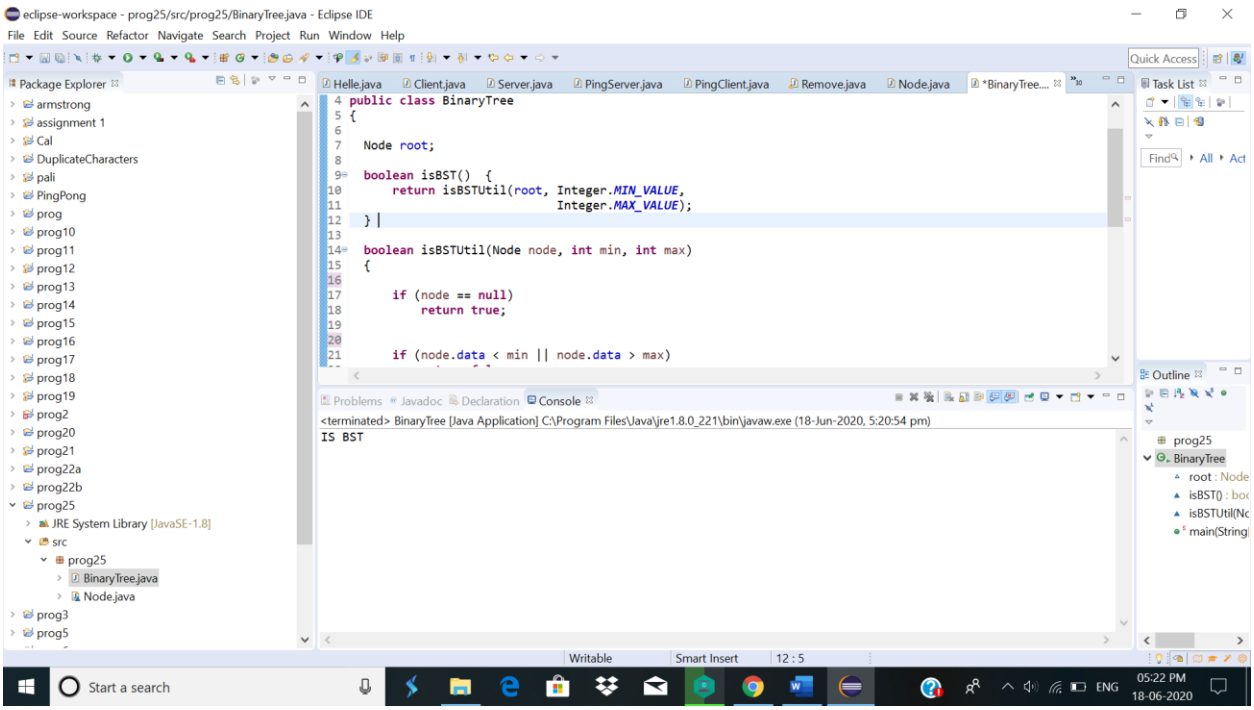
Write a Java program to Check if a binary tree is binary search tree or not

```
package prog25;

class Node
{
    int data;
    Node left, right;

    public Node(int item)
    {
        data = item;
        left = right = null;
    }
}
```

```
package prog25;


public class BinaryTree
{

  Node root;

  boolean isBST()  {
      return isBSTUtil(root, Integer.MIN_VALUE,
                             Integer.MAX_VALUE);
  }

  boolean isBSTUtil(Node node, int min, int max)
  {

      if (node == null)
          return true;


      if (node.data < min || node.data > max)
          return false;


      return (isBSTUtil(node.left, min, node.data-1) &&
              isBSTUtil(node.right, node.data+1, max));
  }


  public static void main(String args[])
  {
      BinaryTree tree = new BinaryTree();
      tree.root = new Node(4);
      tree.root.left = new Node(2);
      tree.root.right = new Node(5);
      tree.root.left.left = new Node(1);
```

```
        tree.root.left.right = new Node(3);

        if (tree.isBST())
            System.out.println("IS BST");
        else
            System.out.println("Not a BST");
    }
}
```

Output:



Python workshop :

Refer the github link for example programs and exercise programs:
https://github.com/anvithapo99/DA-and-ML-workshop