

DAILY ONLINE ACTIVITIES SUMMARY

Date:	18/06/2020	Name:	M C Suchithra Heggade
Sem & Sec	6th sem& A sec	USN:	4AL17CS047
Online Test Summary			
Subject	Programming in C (Quiz)		
Max. Marks	-	Score	-
Pre-Placement Training Summary			
Pre placement training	9:00 am to 11:00 am - Programming in C 11:00 am to 1:00pm - Applications of python in DA and ML		
Faculty	Vivek Sharma Dr.Mohideen Badusha	Duration	4 hr
Assessments			
Problem Statement: 1. Examples and Exercises on python. 2. Magic Numbers Write a C Program to generate first N Magic Numbers. 3. BST(1) Write a Java program to Check if a binary tree is binary search tree or not.			
Status: Completed			
Uploaded the report in Github		Yes	

If yes Repository name	https://github.com/Suchitraheggade/certification-and-Online-coding https://github.com/Suchitraheggade/Workshop-on-Application-Python-Program
Uploaded the report in slack	Yes

Training snapshots:

The screenshot shows a Zoom meeting interface. At the top, it says "Vivek Sharma is presenting". The main window displays a PDF document titled "decisionstatements...". The document content includes a C code example for a loop that breaks at 5, and an "Output" section showing the numbers 1 through 5. A sidebar on the right shows PDF editing options like "Export PDF", "Create PDF", "Edit PDF", etc. In the bottom right corner, there is a video feed of Vivek Sharma and a list of participants including "manish manu". A notification at the bottom left states "Priyanka Killedar has left the meeting".

The screenshot shows a Google Forms interface for a quiz titled "Quiz-5". The form is displayed within a web browser window. At the top, the browser tabs show "Invitation: Programming in C - M...", "Meet - Programming in C - M...", and two instances of "Quiz-5". The address bar shows a Google Docs link. The form itself has a purple header with the title "Quiz-5" and "Total points 5/5". Below the header, there are two text input fields: "NAME *" with the value "M.C Suchithra Heggade" and "USN *" with the value "4AL17CS047". The main question is "What is the output of the program? *" with a "1/1" indicator. The code provided is a C program that includes <stdio.h>, defines a main function, sets x to 1, and uses if, else if, and else statements to print "inside if", "inside elseif", and "inside else" respectively. The correct answer, "inside if", is selected with a radio button and marked with a green checkmark. The Windows taskbar at the bottom shows the search bar, task view, and various application icons, with the system clock indicating 09:48 on 18-06-2020.

Quiz-5 Total points 5/5

NAME *
M.C Suchithra Heggade

USN *
4AL17CS047

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

```
#include <stdio.h>
int main()
{
    int x = 1;
    if (x > 0)
        printf("inside if\n");
    else if (x > 0)
        printf("inside elseif\n");
}
```

☒ inside if ✓
☐ inside elseif
☐ inside if, inside elseif

Assessments:

Uploaded in github account and respective links are provided.

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

Coding Challenges:

BST(1)

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

Node=4,2,5,1,3

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```
1  data = item;
2  left = right = null;
3  }
4  }
5  public class BinaryTree
6  {
7      Node root;
8      boolean isBST() {
9          return isBSTUtil(root, Integer.MIN_VALUE,
10                          Integer.MAX_VALUE);
11      }
12
13      boolean isBSTUtil(Node node, int min, int max)
14      {
15          if (node == null)
16              return true;
17
18          if (node.data < min || node.data > max)
19              return false;
20          return (isBSTUtil(node.left, min, node.data-1) &&
21                  isBSTUtil(node.right, node.data+1, max));
22      }
23
24      public static void main(String args[])
25      {
26          BinaryTree tree = new BinaryTree();
27          tree.root = new Node(4);
28          tree.root.left = new Node(2);
29          tree.root.right = new Node(5);
30          tree.root.left.left = new Node(1);
31          tree.root.left.right = new Node(3);
32
33          if (tree.isBST())
34              System.out.println("IS BST");
35          else
36              System.out.println("Not a BST");
37      }
38  }
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

☐ Interactive

Stdin Inputs

CommandLine Arguments

[Execute](#) [***](#) [db](#)

Result

CPU Time: 0.12 sec(s). Memory: 32392 kilobyte(s) [compiled and executed in](#)

IS BST

Node=7,2,5,1,3 IS NOT BST

→ C [jdoodle.com/online-java-compiler/](#)

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```
1  data = item;
2  left = right = null;
3  }
4  }
5  public class BinaryTree
6  {
7      Node root;
8      boolean isBST() {
9          return isBSTUtil(root, Integer.MIN_VALUE,
10                          Integer.MAX_VALUE);
11      }
12
13      boolean isBSTUtil(Node node, int min, int max)
14      {
15          if (node == null)
16              return true;
17
18          if (node.data < min || node.data > max)
19              return false;
20          return (isBSTUtil(node.left, min, node.data-1) &&
21                  isBSTUtil(node.right, node.data+1, max));
22      }
23
24      public static void main(String args[])
25      {
26          BinaryTree tree = new BinaryTree();
27          tree.root = new Node(7);
28          tree.root.left = new Node(2);
29          tree.root.right = new Node(5);
30          tree.root.left.left = new Node(1);
31          tree.root.left.right = new Node(3);
32
33          if (tree.isBST())
34              System.out.println("IS BST");
35          else
36              System.out.println("Not a BST");
37      }
38  }
```

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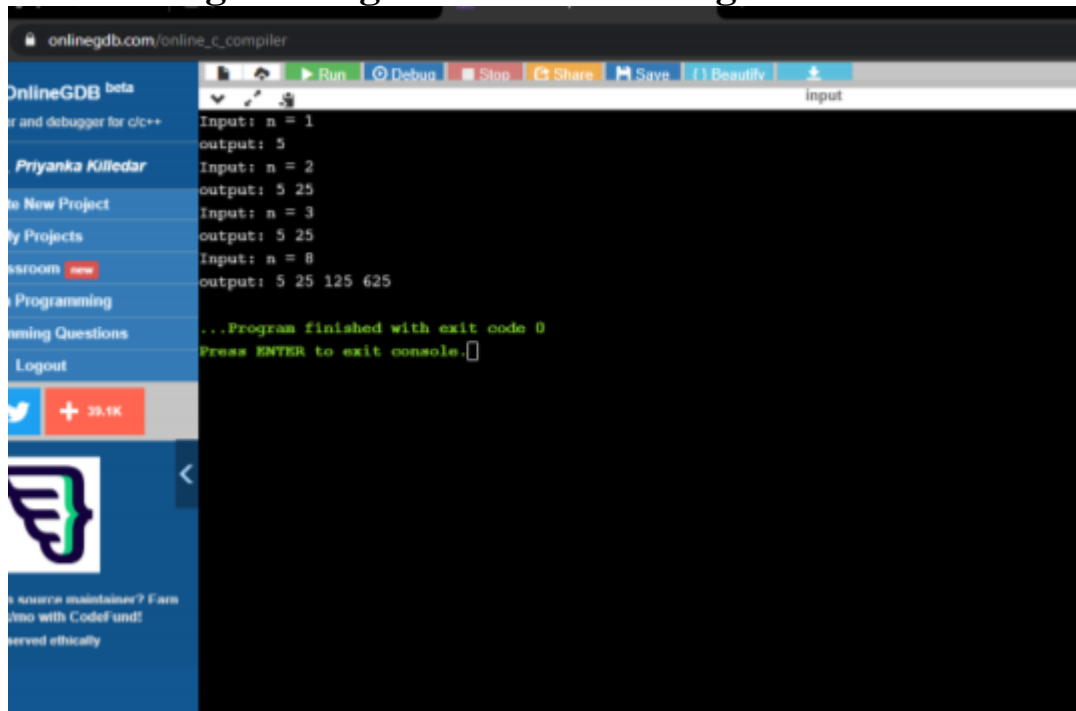
Result

CPU Time: 0.14 sec(s). Memory: 31512 kilobyte(s) [compiled and executed in](#)

Not a BST

Magic Numbers

Write a C Program to generate first N Magic Numbers.



The screenshot shows the OnlineGDB interface. The left sidebar contains navigation links: 'OnlineGDB beta', 'Compiler and debugger for C/C++', 'Priyanka Killedar', 'New Project', 'My Projects', 'Classroom', 'C Programming', 'Learning Questions', and 'Logout'. The main area displays the execution of a C program. The input and output are as follows:

```
Input: n = 1
output: 5
Input: n = 2
output: 5 25
Input: n = 3
output: 5 25
Input: n = 8
output: 5 25 125 625

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