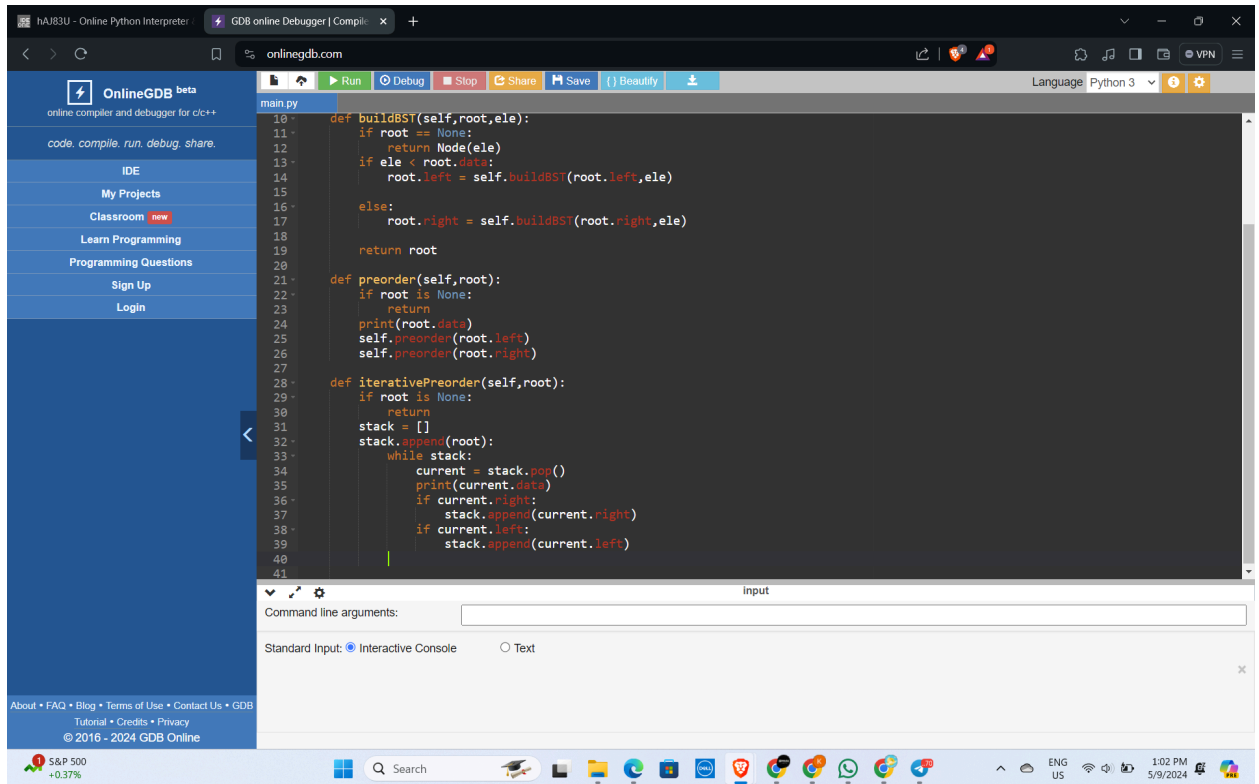


Day94 - May9th 2024

1. Started my as usual
2. Solved one leetcode problem
3. And wrote a program for iterative preorder and recursive preorder



The screenshot displays the OnlineGDB web interface. The left sidebar contains navigation links: 'OnlineGDB beta', 'code, compile, run, debug, share.', 'IDE', 'My Projects', 'Classroom new', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. The main editor area shows a Python file named 'main.py' with the following code:

```
def buildBST(self, root, ele):
    if root == None:
        return Node(ele)
    if ele < root.data:
        root.left = self.buildBST(root.left, ele)
    else:
        root.right = self.buildBST(root.right, ele)
    return root

def preorder(self, root):
    if root is None:
        return
    print(root.data)
    self.preorder(root.left)
    self.preorder(root.right)

def iterativePreorder(self, root):
    if root is None:
        return
    stack = []
    stack.append(root)
    while stack:
        current = stack.pop()
        print(current.data)
        if current.right:
            stack.append(current.right)
        if current.left:
            stack.append(current.left)
```

Below the code editor, there are fields for 'Command line arguments:' and 'Standard Input:' with radio buttons for 'Interactive Console' (selected) and 'Text'. The bottom of the browser window shows the Windows taskbar with various application icons and the system clock indicating 1:02 PM on 5/9/2024.

4. Also started building an AWS data engineering project which involves lambda and GLUE
Pls find the doc here :

https://docs.google.com/document/d/1EKGIvYNtAyjfwpi-hjMaww4he6rst9dbf_vrk8KzO5E/edit?usp=sharing

5. Ended my day by solving a SQL question from online

The screenshot shows the sql-practice.com website. On the left, there's a sidebar with 'SQL Database', 'Learning Resources', and 'Partnership' sections. The 'Partnership' section features a 'Data Science interview projects' banner with '+100 REAL-LIFE PROJECTS, ONLINE, READY-TO-SOLVE' and a 'START NOW' button. Below this, it says 'Join DataWars to resolve 100s of Data Science projects for free.' The main area has a 'Run' button, 'Settings', and 'View Questions' tabs. A SQL query editor is active with a single line '1'. To the right, a 'Table Info' section shows a table named 'patients'. Below it, a 'Hints' section lists criteria for finding a patient: 'First_name contains an 'r' after the first two letters.', 'Identifies their gender as 'F'', 'Born in February, May, or December', 'Their weight would be between 60kg and 80kg', 'Their patient_id is an odd number', and 'They are from the city 'Kingston''. At the bottom, a table of patient data is visible.

patient_id	first_name	last_name	gender	birth_date	city	province_id	allergies	height
1839	Chris	Cardenas	F	1969-12-02	Kingston	ON	NULL	141

This screenshot shows the same sql-practice.com interface after solving the question. The 'Run' button is highlighted. The SQL query editor now contains a complete query:

```
1 SELECT *FROM patients
2 WHERE first_name LIKE '__r%'
3 AND gender = 'F'
4 AND MONTH(birth_date) IN (2, 5, 12)
5 AND weight BETWEEN 60 AND 80
6 AND patient_id % 2 = 1
7 AND city = 'Kingston';
```

 The 'Table Info' section remains the same. The 'Hints' section is replaced by a 'Solution' section showing the correct SQL query. A green banner at the top right says 'You Got The Query Correct'. Below it, there are buttons for 'View All Questions', 'Next Question', and a difficulty level dropdown set to 'Easy'. At the bottom right, there's a feedback section asking 'Want to help our site? Submit a custom question & solution for it to be added to the question list.' with 'Yes' and 'No' buttons. A green banner at the very bottom right says 'You Got It Correct Congratulations on solving the question.'

```
1 SELECT *FROM patients
2 WHERE first_name LIKE '__r%'
3 AND gender = 'F'
4 AND MONTH(birth_date) IN (2, 5, 12)
5 AND weight BETWEEN 60 AND 80
6 AND patient_id % 2 = 1
7 AND city = 'Kingston';
```