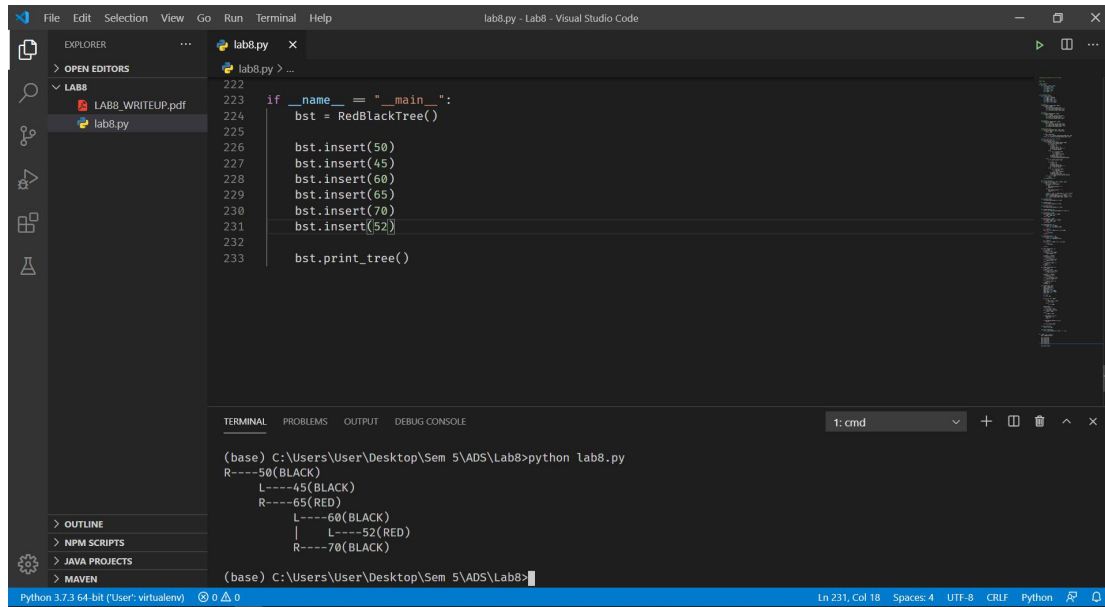


# Output



The screenshot displays the Visual Studio Code interface with a Python file named `lab8.py` open in the editor. The file contains a `RedBlackTree` class and a `main` function that inserts several values into the tree and prints its structure. The terminal at the bottom shows the command `python lab8.py` being executed, resulting in a printed representation of the Red-Black tree.

```
lab8.py
222
223 if __name__ == "__main__":
224     bst = RedBlackTree()
225
226     bst.insert(50)
227     bst.insert(45)
228     bst.insert(60)
229     bst.insert(65)
230     bst.insert(70)
231     bst.insert(52)
232
233     bst.print_tree()
```

TERMINAL

```
(base) C:\Users\User\Desktop\Sem 5\ADS\Lab8>python lab8.py
R----50(BLACK)
  L----45(BLACK)
    R----65(RED)
      L----60(BLACK)
        |   L----52(RED)
          R----70(BLACK)
```

Python 3.7.3 64-bit (User: virtualenv) 0 0 0 Ln 231, Col 18 Spaces: 4 UTF-8 CRLF Python