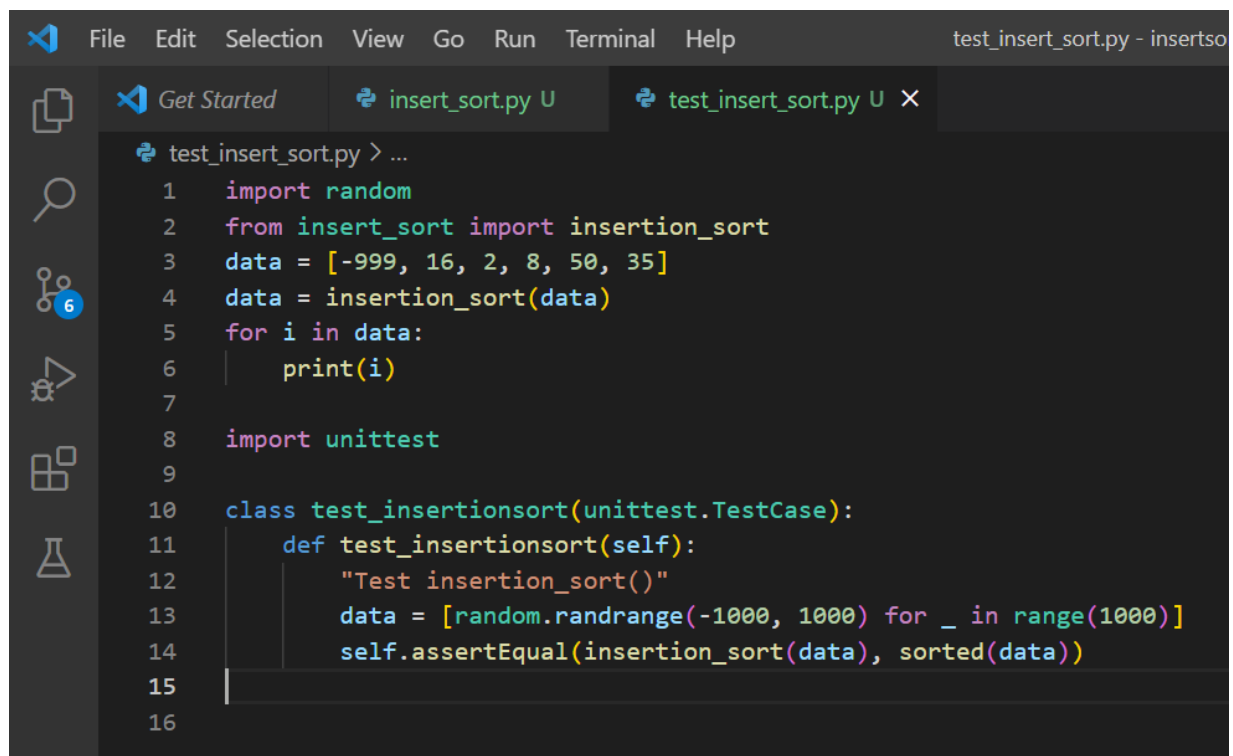


The screenshot shows a code editor with a dark theme. The menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The file explorer on the left shows a project structure with a folder icon and a file icon. The editor has two tabs: 'insert_sort.py' and 'test_insert_sort.py'. The 'insert_sort.py' tab is active, showing the following Python code:

```
insert_sort.py > insertion_sort
1  def insertion_sort(d):
2      data = d.copy()
3      for i in range(1, len(data)):
4          j = i
5          key = data[j]
6          while j > 0 and key < data[j-1]:
7              data[j] = data[j-1]
8              j -= 1
9          data[j] = key
10     return data
```



The screenshot shows the same code editor with the 'test_insert_sort.py' tab active. The code in this file is as follows:

```
test_insert_sort.py > ...
1  import random
2  from insert_sort import insertion_sort
3  data = [-999, 16, 2, 8, 50, 35]
4  data = insertion_sort(data)
5  for i in data:
6      print(i)
7
8  import unittest
9
10 class test_insertionsort(unittest.TestCase):
11     def test_insertionsort(self):
12         "Test insertion_sort()"
13         data = [random.randrange(-1000, 1000) for _ in range(1000)]
14         self.assertEqual(insertion_sort(data), sorted(data))
15
16
```

PROBLEMS | OUTPUT | DEBUG CONSOLE | TERMINAL | TEST RUN
PS D:\1 4\Term 1\439\insertsort> python -m unittest -v .\test_insert_sort.py

-999

2

8

16

35

50

test_insertionsort (test_insert_sort.test_insertionsort)

Test insertion_sort() ... ok



Ran 1 test in 0.037s



OK

PS D:\1 4\Term 1\439\insertsort> █

main* ↺ ⊗ 0 △ 0

Ln 16, Col 1 S