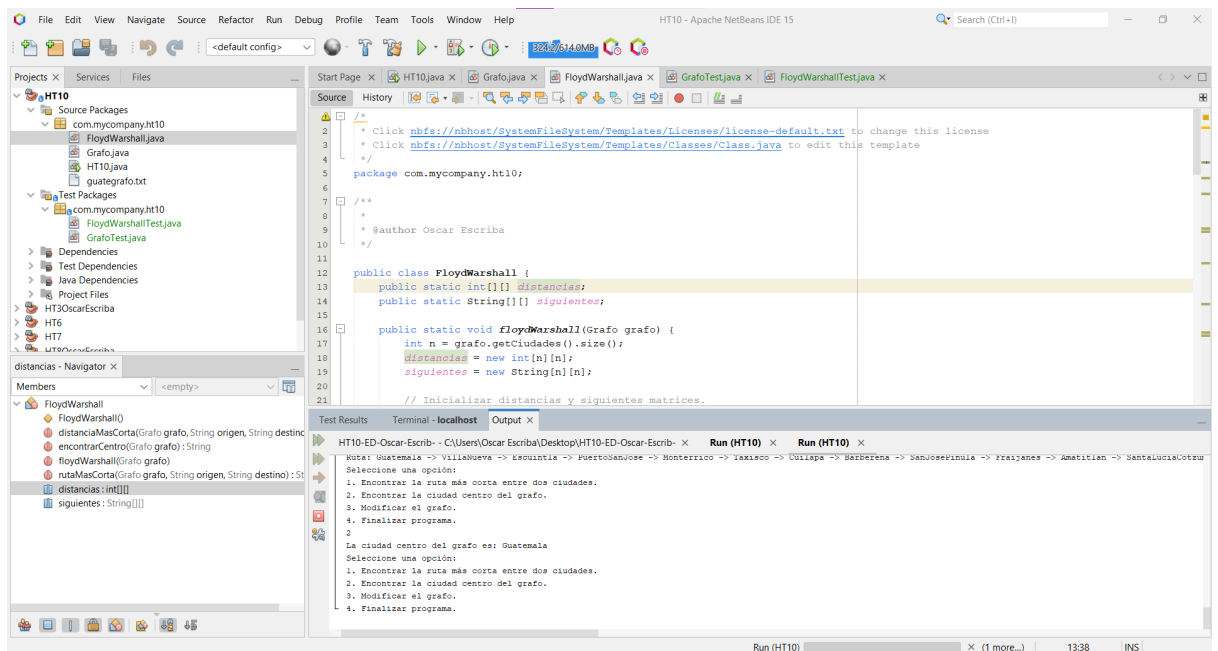
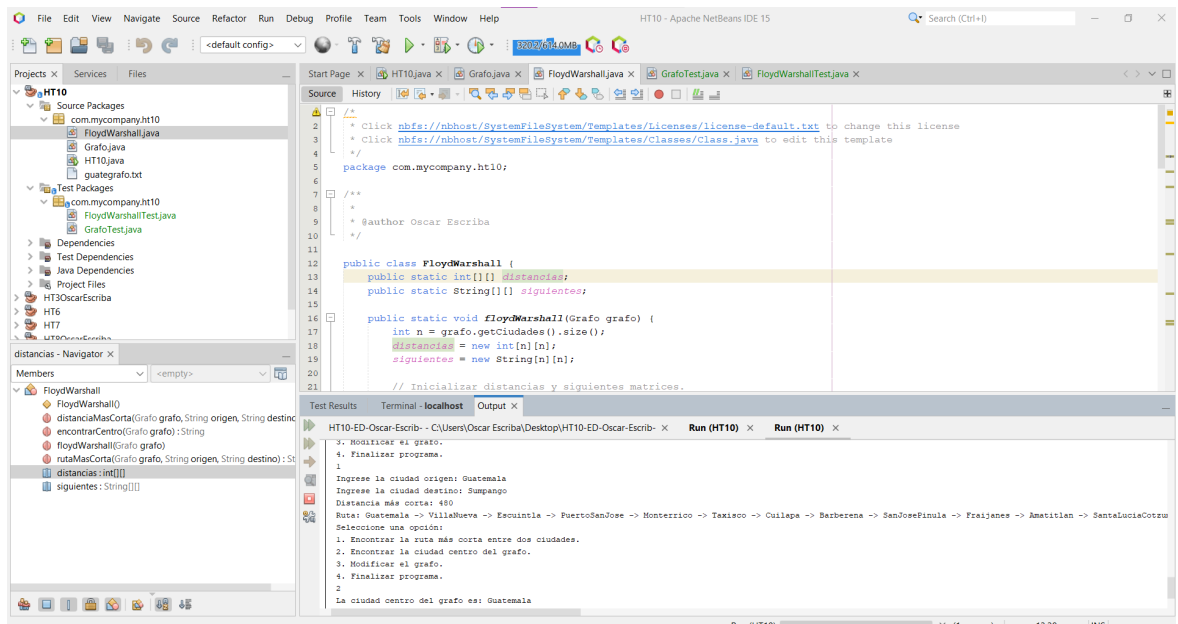


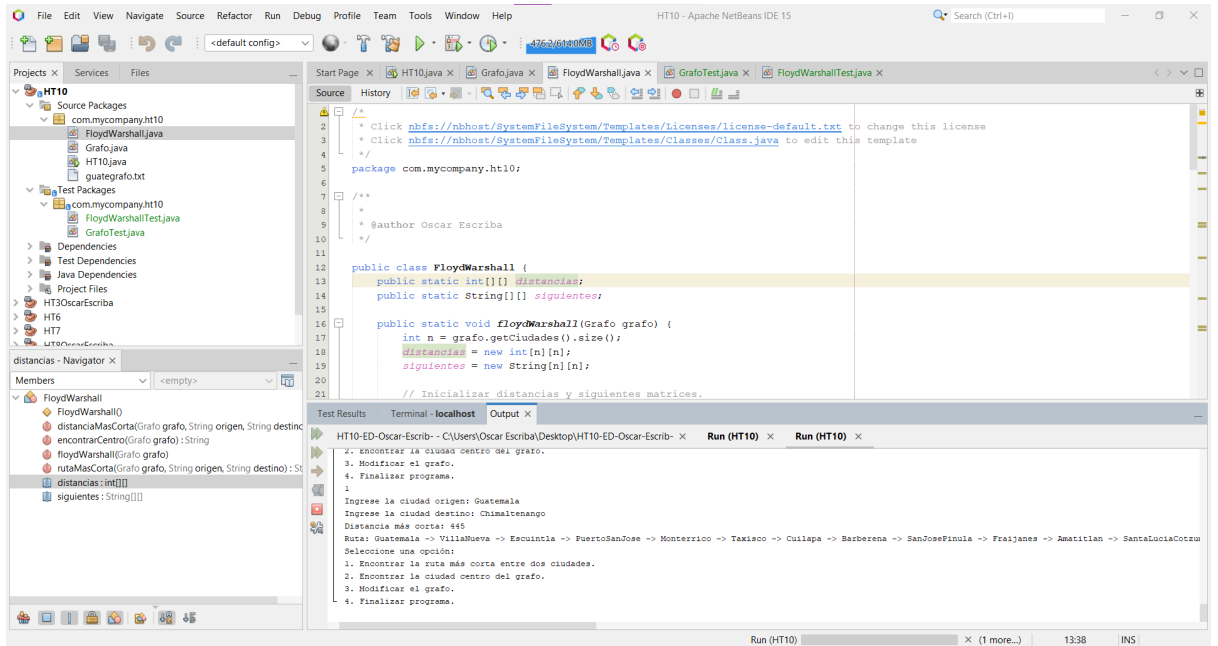
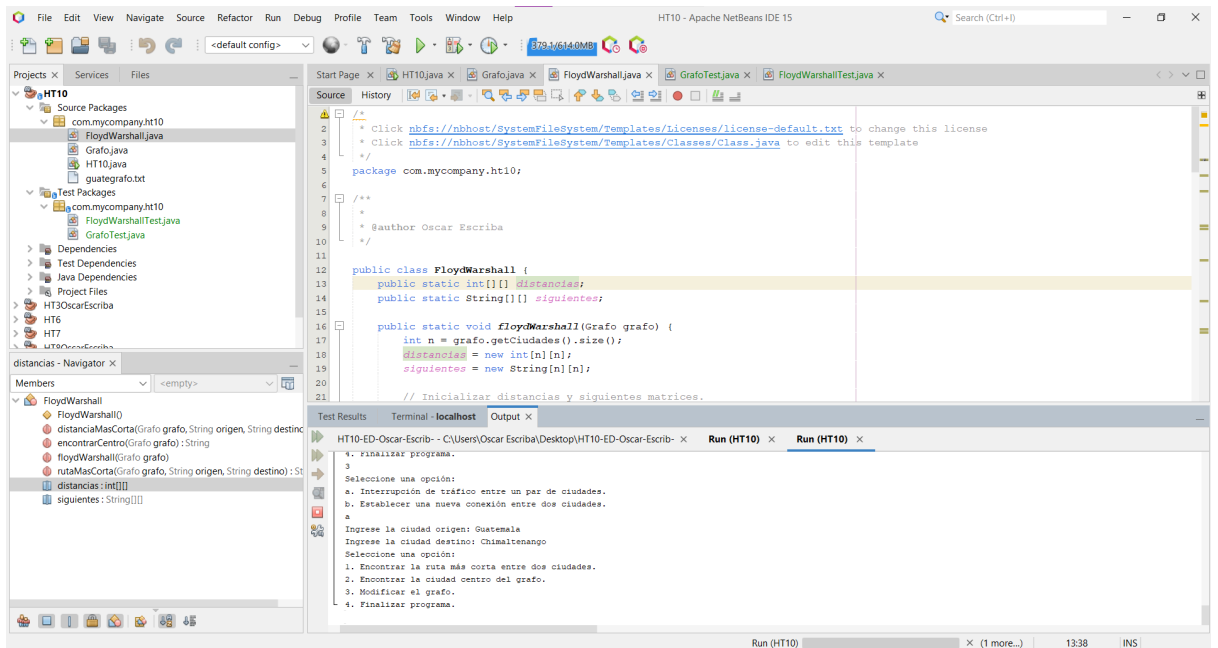
Análisis y estructura de Datos

HOJA DE TRABAJO #10

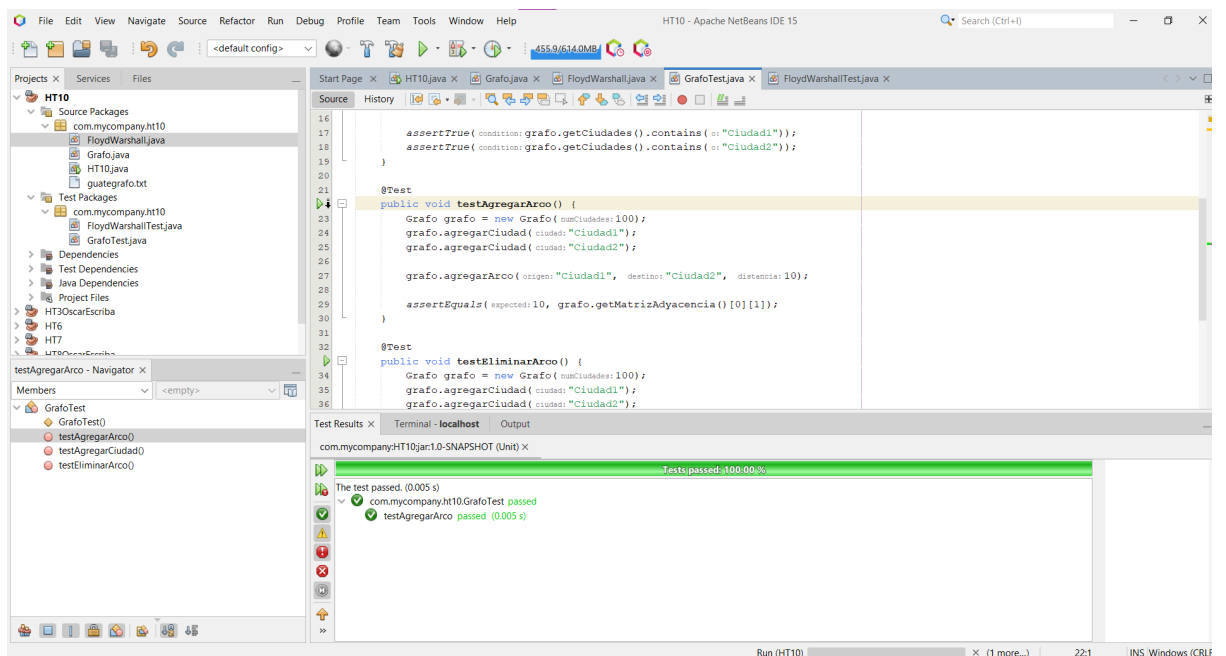
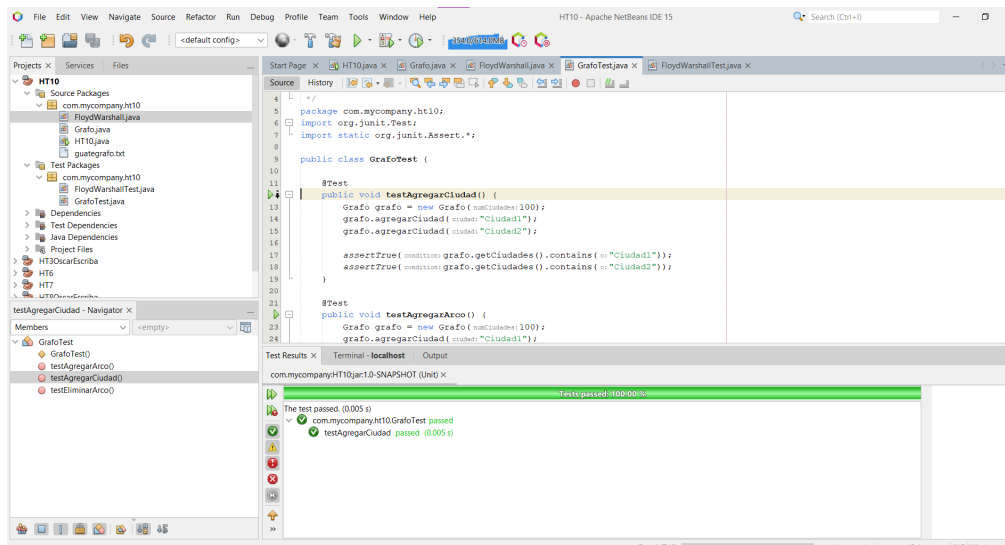
Imágenes de las pruebas unitarias y de los programas corriendo.

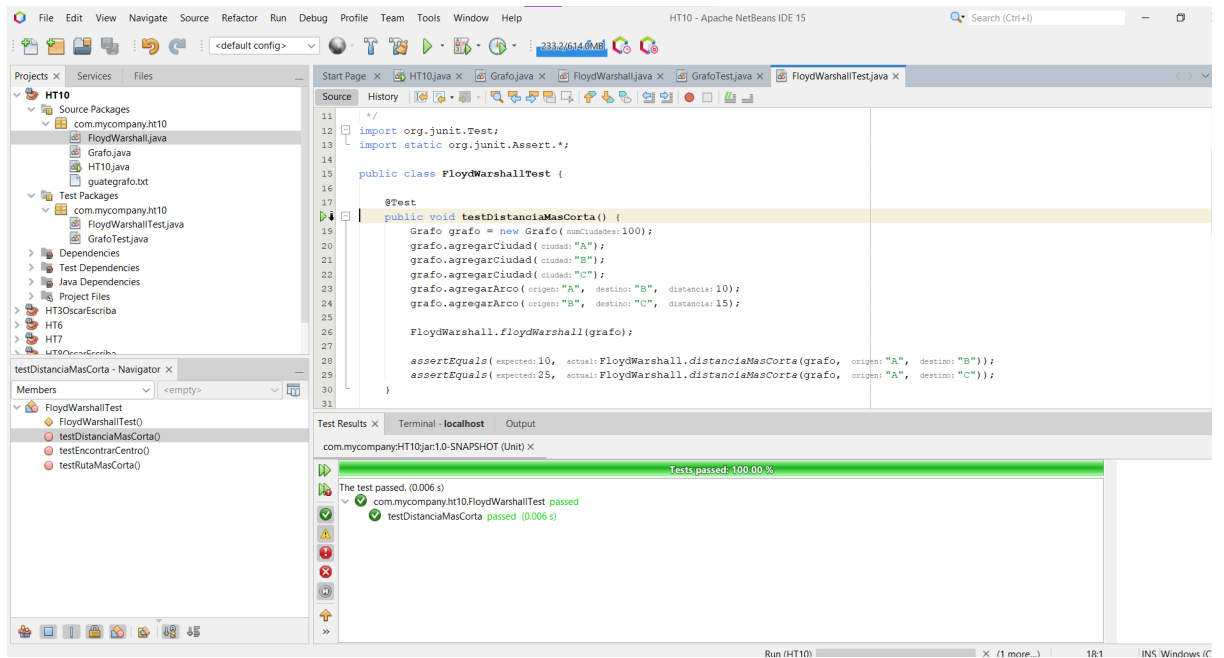
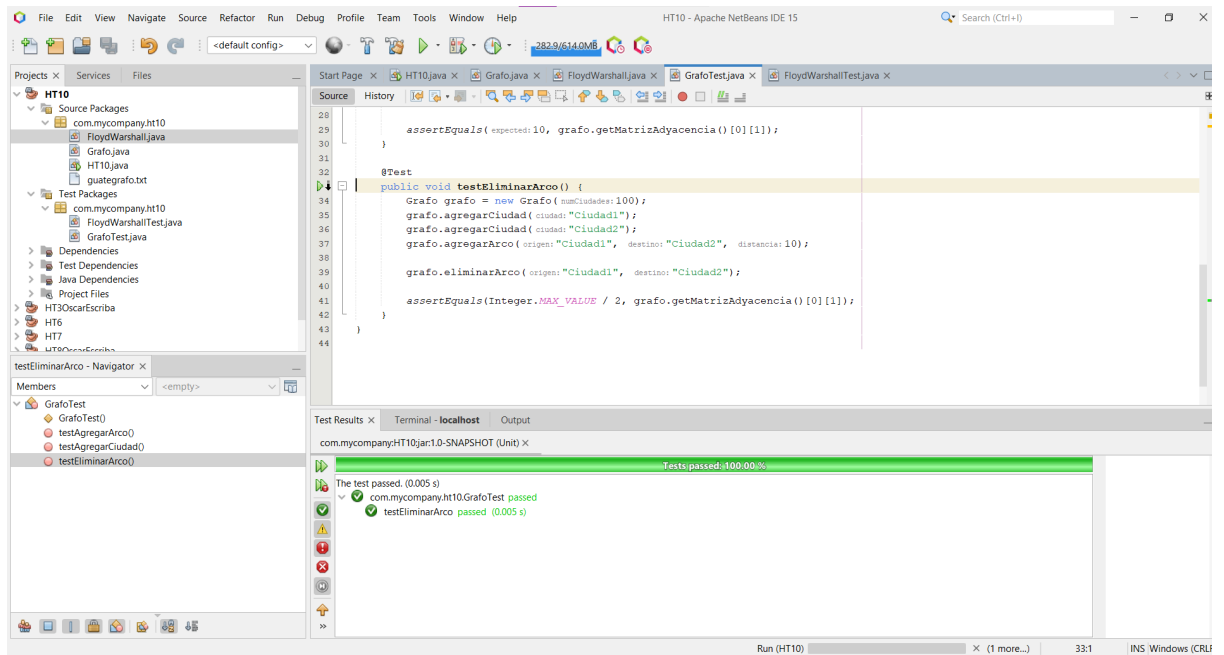
- Programas corriendo:

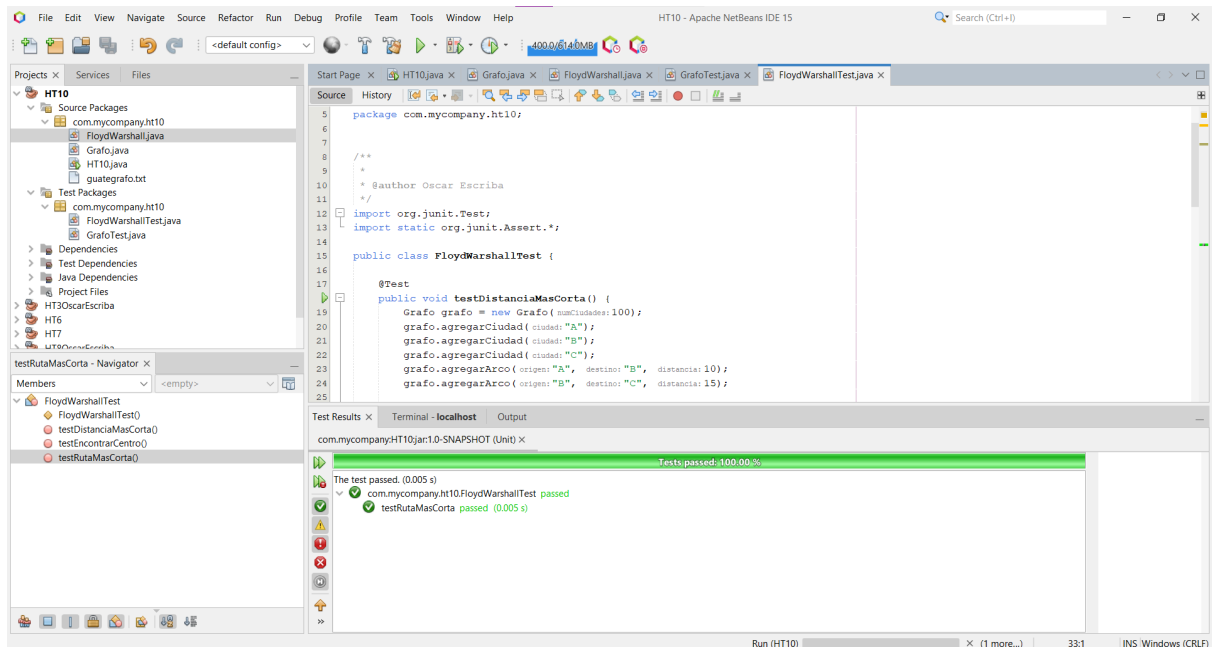




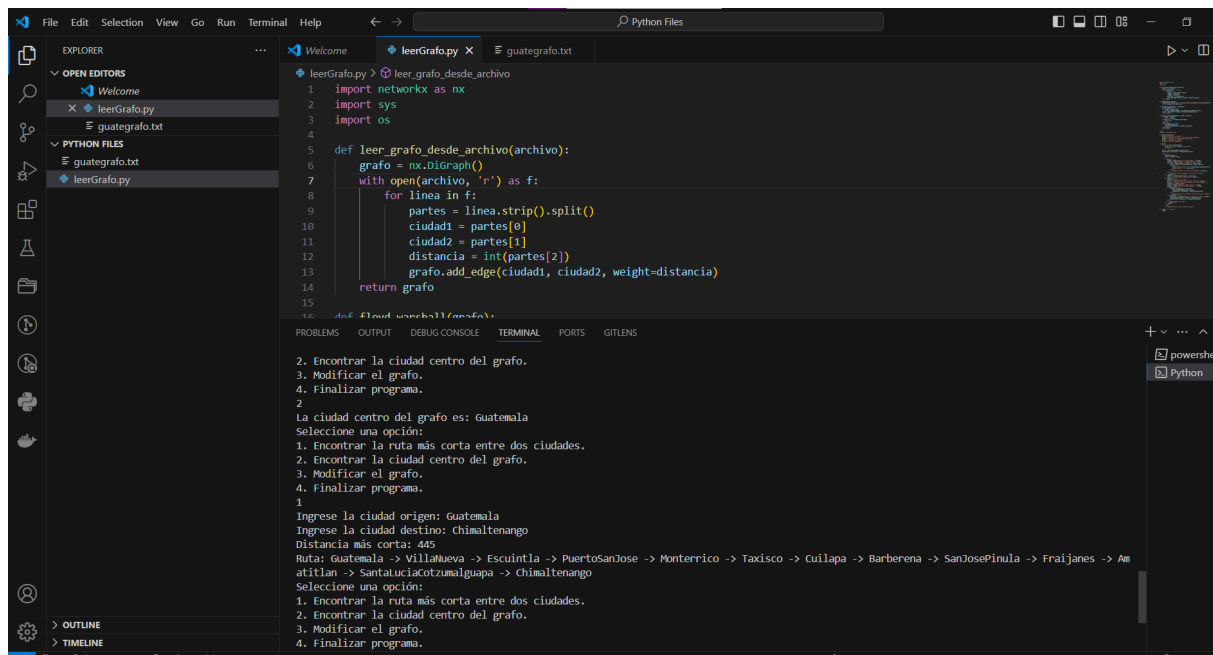
Imágenes de las pruebas unitarias:





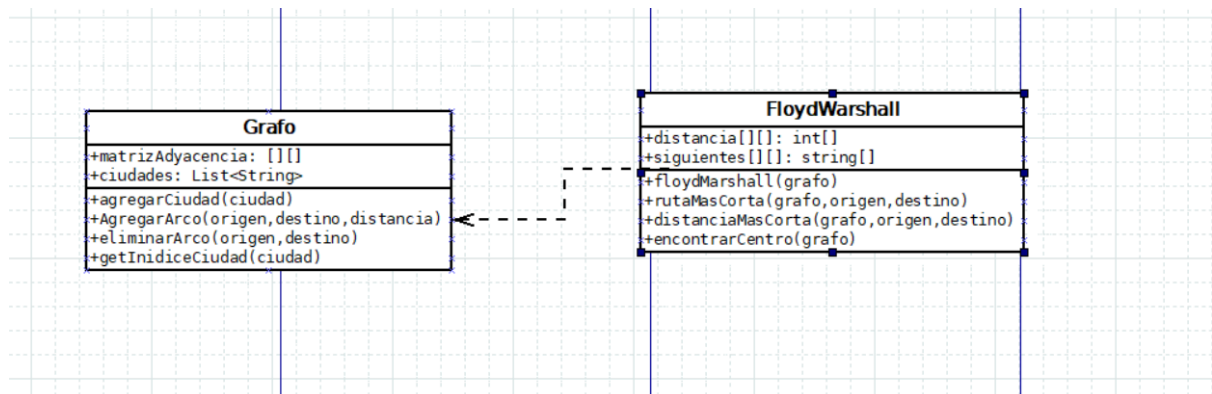


Programa Python:



The screenshot shows the VS Code editor with a Python file named `test_grafo.py` open. The code defines a `test_leer_grafo_desde_archivo` function that uses `unittest` to test a `DiGraph` object. The graph has nodes 'Mixco', 'Antigua', 'Escuintla', 'Santalucia', and 'Mazatenango' with weighted edges. The test asserts that the length of the nodes list is 5. The terminal output shows the test failing with an `AssertionError: 'Mixco' != 'Escuintla'` and a traceback pointing to line 19 in `test_grafo.py`. The status bar at the bottom indicates the file is at line 26, column 1, with UTF-8 encoding and LF line endings.

Java:



```

classDiagram
    class Grafo {
        +grafo: nx.DiGraph
        +leerGrafo(archivo)
    }
    class FloydWarshall {
        +predecesores: dict
        +distancias: dict
    }
    FloydWarshall ..> Grafo

```