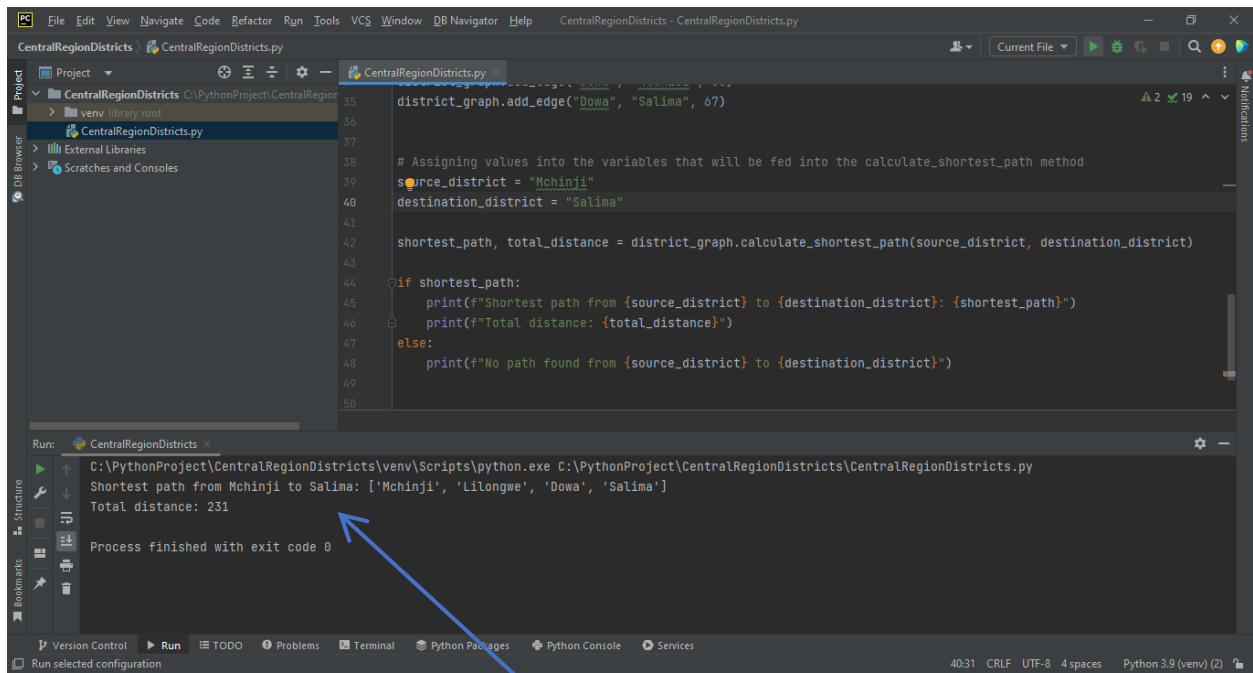


## Screenshot of a Test Execution:



The screenshot shows an IDE window titled 'CentralRegionDistricts - CentralRegionDistricts.py'. The editor displays a Python script with the following code:

```
35 district_graph.add_edge("Dowa", "Salima", 67)
36
37
38 # Assigning values into the variables that will be fed into the calculate_shortest_path method
39 source_district = "Mchinji"
40 destination_district = "Salima"
41
42 shortest_path, total_distance = district_graph.calculate_shortest_path(source_district, destination_district)
43
44 if shortest_path:
45     print(f"Shortest path from {source_district} to {destination_district}: {shortest_path}")
46     print(f"Total distance: {total_distance}")
47 else:
48     print(f"No path found from {source_district} to {destination_district}")
49
50
```

Below the editor, the 'Run' console shows the execution output:

```
Run: CentralRegionDistricts x
C:\PythonProject\CentralRegionDistricts\venv\Scripts\python.exe C:\PythonProject\CentralRegionDistricts\CentralRegionDistricts.py
Shortest path from Mchinji to Salima: ['Mchinji', 'Lilongwe', 'Dowa', 'Salima']
Total distance: 231
Process finished with exit code 0
```

A blue arrow points from the word 'Output' to the output text in the Run console.

Output