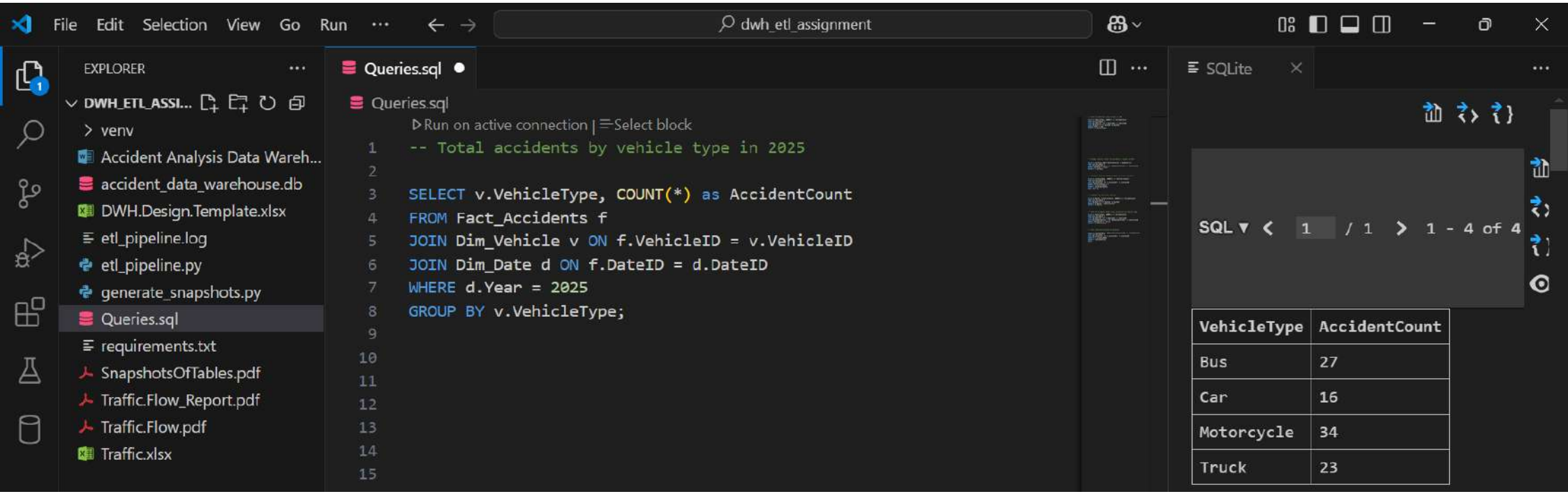
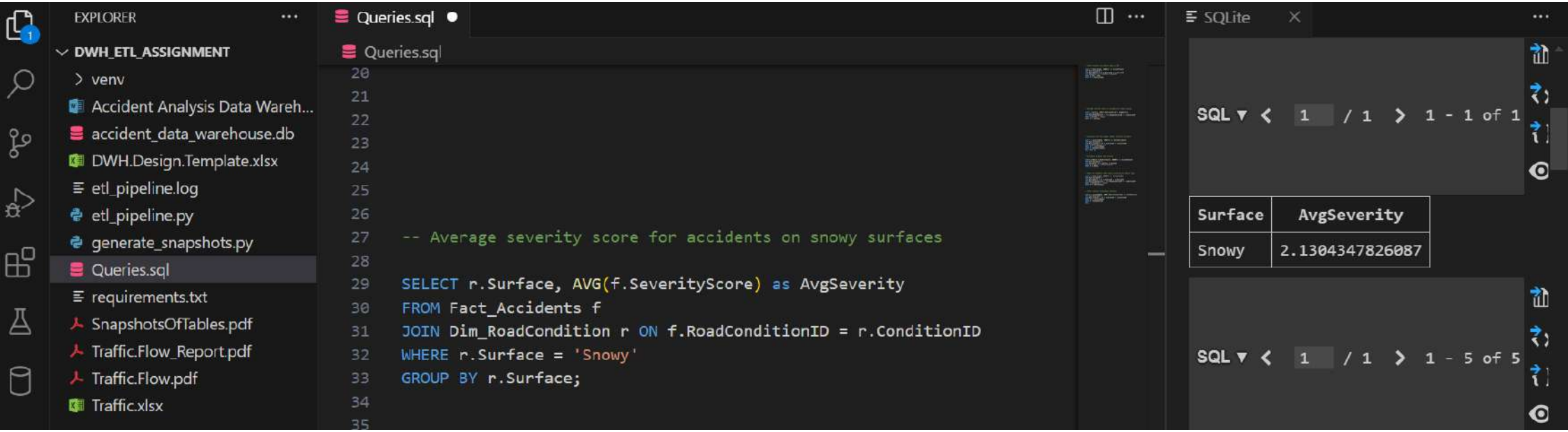

File Edit Selection View Go Run
dwh_etl_assignment
EXPLORER
DWH_ETL_ASSI...
venv
Accident Analysis Data Wareh...
accident_data_warehouse.db
DWH.Design.Template.xlsx
etl_pipeline.log
etl_pipeline.py
generate_snapshots.py
Queries.sql
requirements.txt
SnapshotsOfTables.pdf
Traffic.Flow_Report.pdf
Traffic.Flow.pdf
Traffic.xlsx
Queries.sql
Queries.sql
Run on active connection | Select block
1 -- Total accidents by vehicle type in 2025
2
3 SELECT v.VehicleType, COUNT(*) as AccidentCount
4 FROM Fact_Accidents f
5 JOIN Dim_Vehicle v ON f.VehicleID = v.VehicleID
6 JOIN Dim_Date d ON f.DateID = d.DateID
7 WHERE d.Year = 2025
8 GROUP BY v.VehicleType;
9
10
11
12
13
14
15
SQLite
SQL
1 / 1
1 - 4 of 4
VehicleType AccidentCount
Bus 27
Car 16
Motorcycle 34
Truck 23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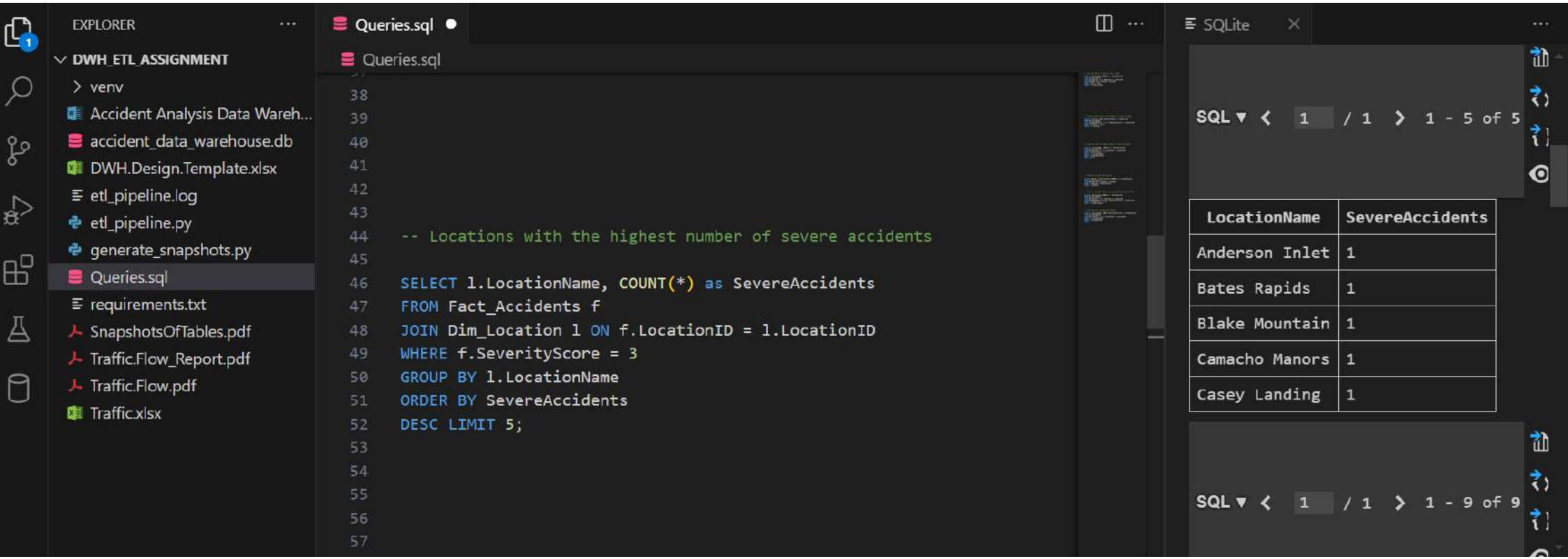
Queries.sql
20
21
22
23
24
25
26
27 -- Average severity score for accidents on snowy surfaces
28
29 SELECT r.Surface, AVG(f.SeverityScore) as AvgSeverity
30 FROM Fact_Accidents f
31 JOIN Dim_RoadCondition r ON f.RoadConditionID = r.ConditionID
32 WHERE r.Surface = 'Snowy'
33 GROUP BY r.Surface;
34
35
SQLite
SQL 1 / 1 1 - 1 of 1
Surface
AvgSeverity
Snowy
2.1304347826087
SQL 1 / 1 1 - 5 of 5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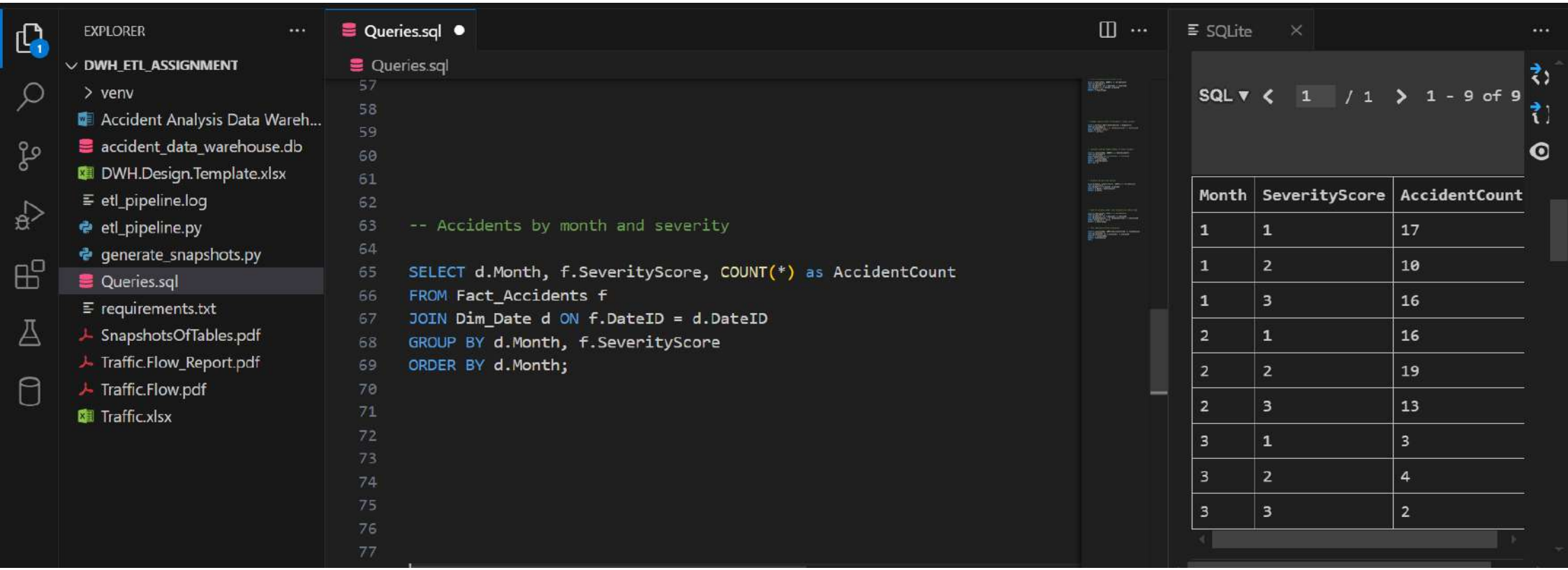
Queries.sql
Queries.sql
38
39
40
41
42
43
44 -- Locations with the highest number of severe accidents
45
46 SELECT l.LocationName, COUNT(*) as SevereAccidents
47 FROM Fact_Accidents f
48 JOIN Dim_Location l ON f.LocationID = l.LocationID
49 WHERE f.SeverityScore = 3
50 GROUP BY l.LocationName
51 ORDER BY SevereAccidents
52 DESC LIMIT 5;
53
54
55
56
57
SQLite
SQL ▾ 1 / 1 1 - 5 of 5
LocationName SevereAccidents
Anderson Inlet 1
Bates Rapids 1
Blake Mountain 1
Camacho Manors 1
Casey Landing 1
SQL ▾ 1 / 1 1 - 9 of 9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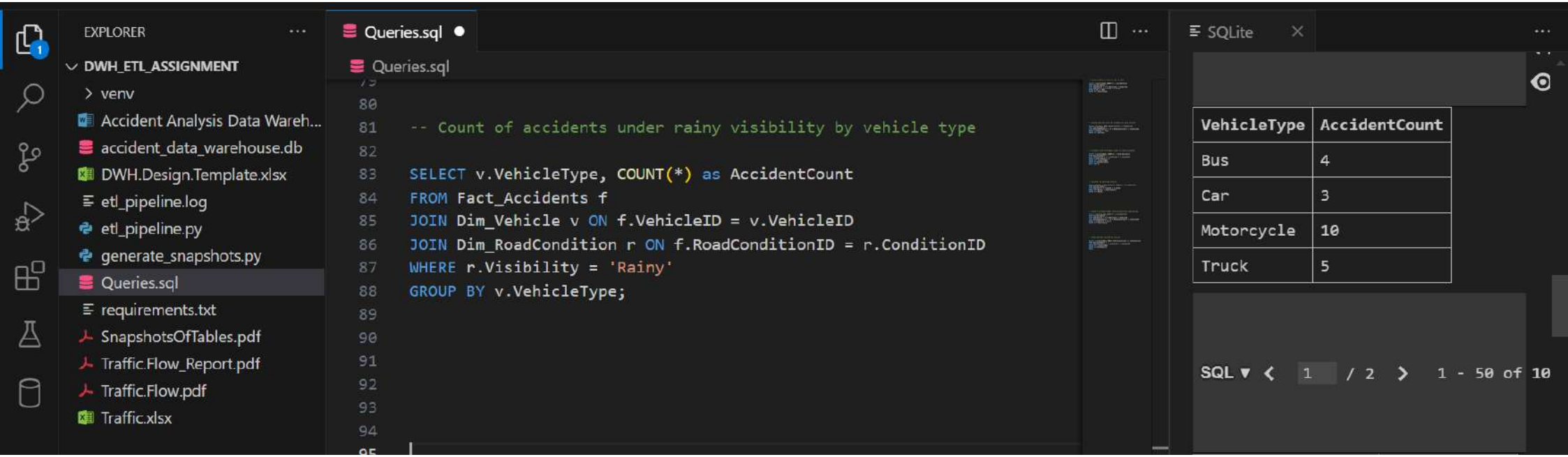
-- Accidents by month and severity
SELECT d.Month, f.SeverityScore, COUNT(*) as AccidentCount
FROM Fact_Accidents f
JOIN Dim_Date d ON f.DateID = d.DateID
GROUP BY d.Month, f.SeverityScore
ORDER BY d.Month;
SQLite
SQL
1 / 1
1 - 9 of 9
Month SeverityScore AccidentCount
1 1 17
1 2 10
1 3 16
2 1 16
2 2 19
2 3 13
3 1 3
3 2 4
3 3 2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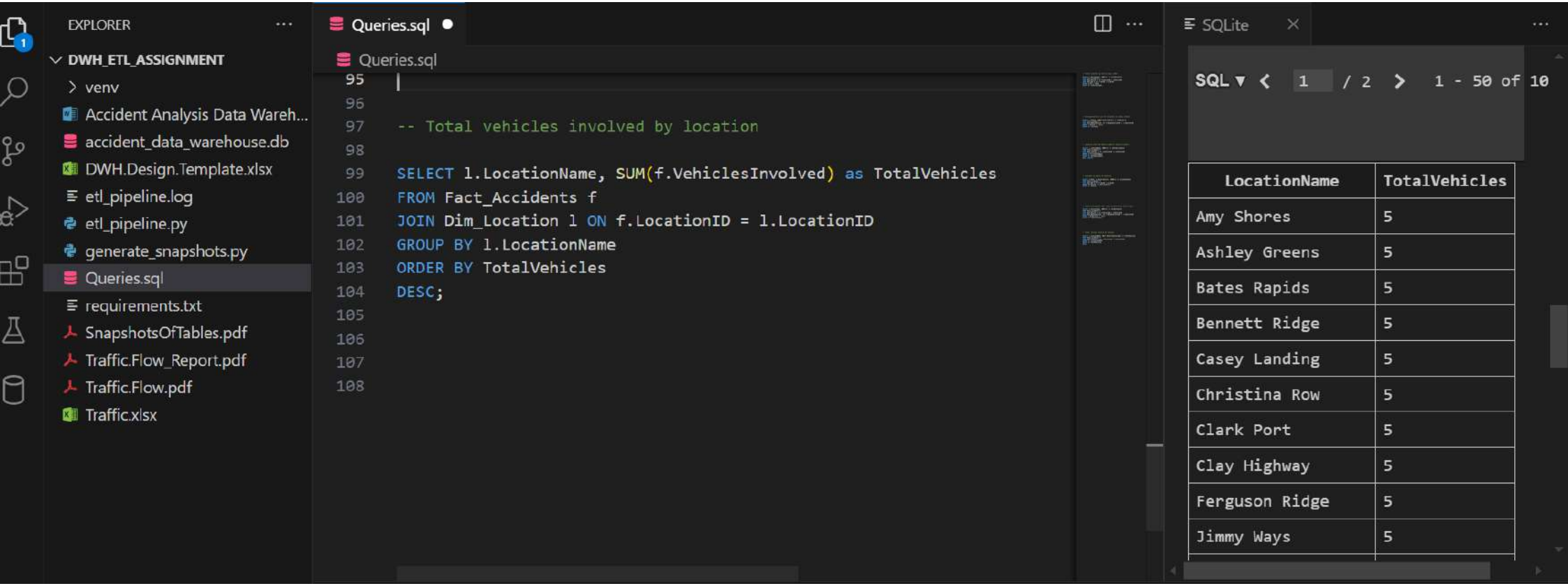
Queries.sql
80
81 -- Count of accidents under rainy visibility by vehicle type
82
83 SELECT v.VehicleType, COUNT(*) as AccidentCount
84 FROM Fact_Accidents f
85 JOIN Dim_Vehicle v ON f.VehicleID = v.VehicleID
86 JOIN Dim_RoadCondition r ON f.RoadConditionID = r.ConditionID
87 WHERE r.Visibility = 'Rainy'
88 GROUP BY v.VehicleType;
89
90
91
92
93
94
SQLite
VehicleType
AccidentCount
Bus
4
Car
3
Motorcycle
10
Truck
5
SQL
1
/ 2
1 - 50 of 10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95
96
97 -- Total vehicles involved by location
98
99 SELECT l.LocationName, SUM(f.VehiclesInvolved) as TotalVehicles
100 FROM Fact_Accidents f
101 JOIN Dim_Location l ON f.LocationID = l.LocationID
102 GROUP BY l.LocationName
103 ORDER BY TotalVehicles
104 DESC;
105
106
107
108
SQLite
SQL
1
/ 2
1 - 50 of 10
LocationName
TotalVehicles
Amy Shores
5
Ashley Greens
5
Bates Rapids
5
Bennett Ridge
5
Casey Landing
5
Christina Row
5
Clark Port
5
Clay Highway
5
Ferguson Ridge
5
Jimmy Ways
5