# SUBQUERIES

The objective of this task was to get familiar with Subqueries.

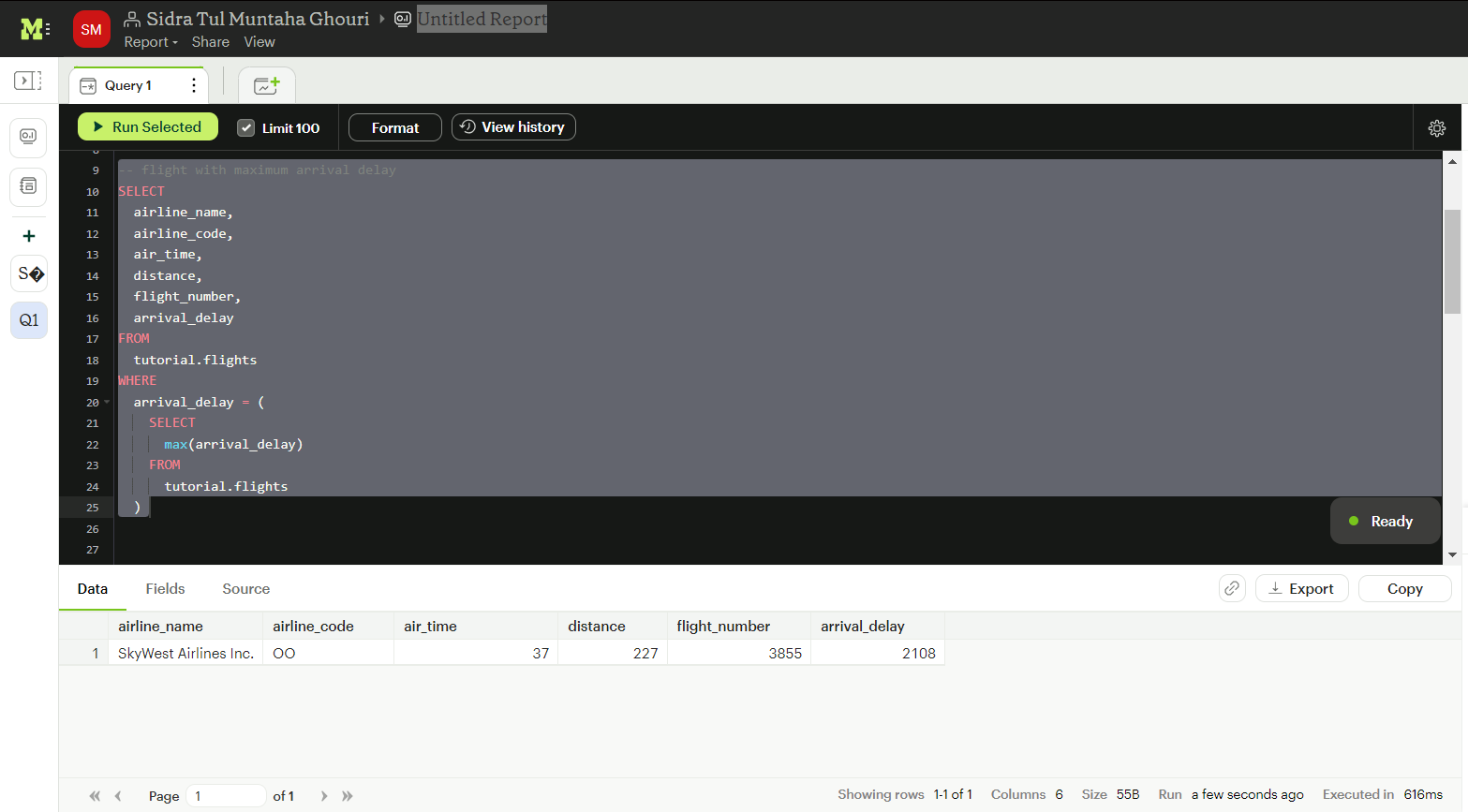
I used Flights data from Mode to do this task.

The Flight Dataset contained the following columns:

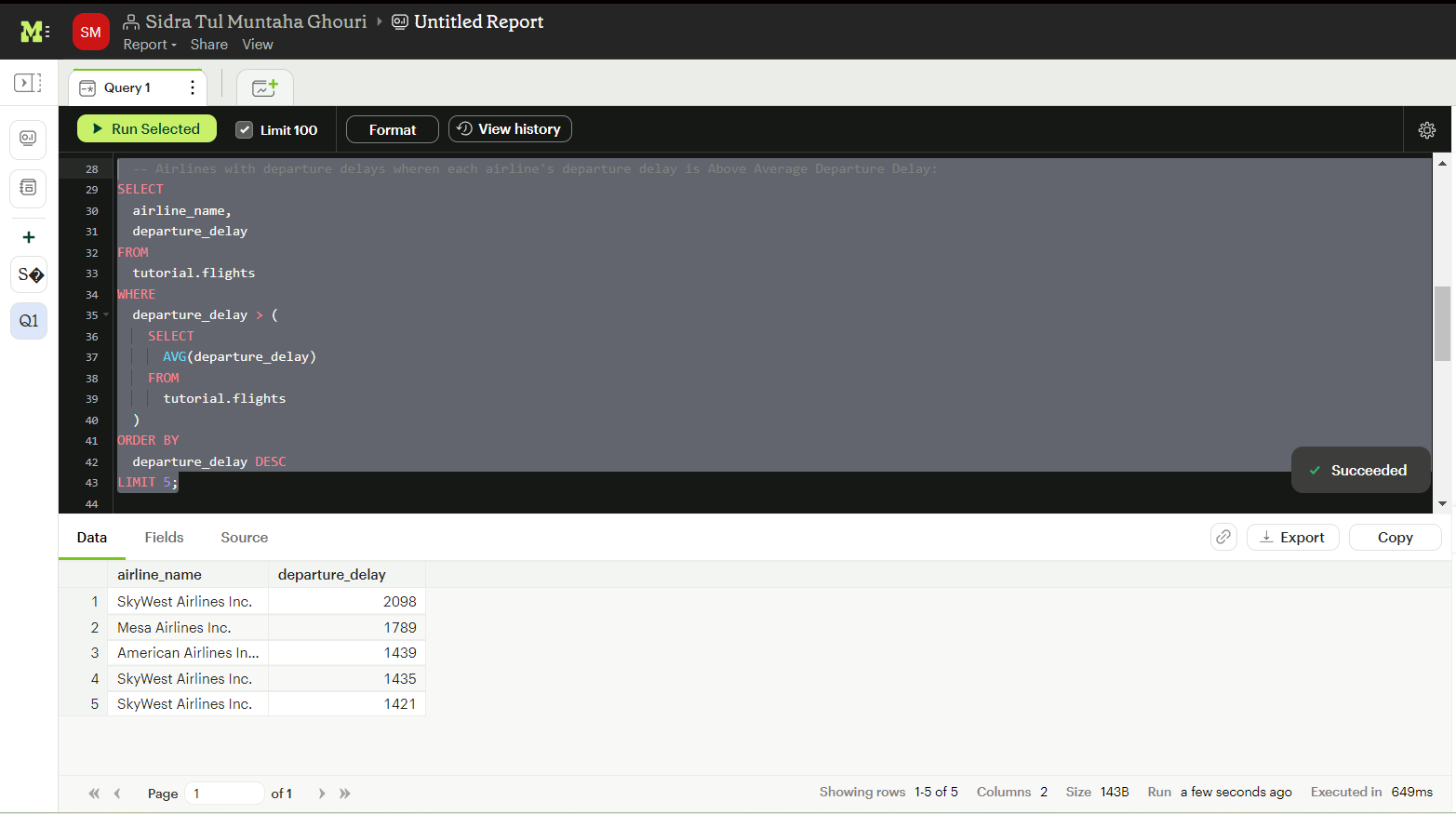
|  |  |
| --- | --- |
| Field name | Data type |
| actual\_arrival\_time | Float |
| actual\_flight\_time | Float |
| acutal\_departure\_time | Float |
| air\_time | Float |
| air\_traffic\_delay | Float |
| airline\_code | String |
| airline\_name | String |
| arrival\_delay | Float |
| cancellation\_reason | String |
| carrier\_delay | Float |
| day | Timestamp |
| day\_of\_week | String |
| departure\_delay | Float |
| destination\_airport | String |
| destination\_city | String |
| destination\_state | String |
| distance | Float |
| flight\_number | Float |
| late\_aircraft\_delay | Float |
| origin\_airport | String |
| origin\_city | String |
| origin\_state | String |
| schedued\_arrival\_time | Float |
| scheduled\_departure\_time | Float |
| scheduled\_flight\_time | Float |
| security\_delay | Float |
| was\_cancelled | Boolean |
| weather\_delay | Float |
| wheels\_off\_time | Float |
| wheels\_on\_time | Float |

I figured out the following questions using Subqueries from this data:

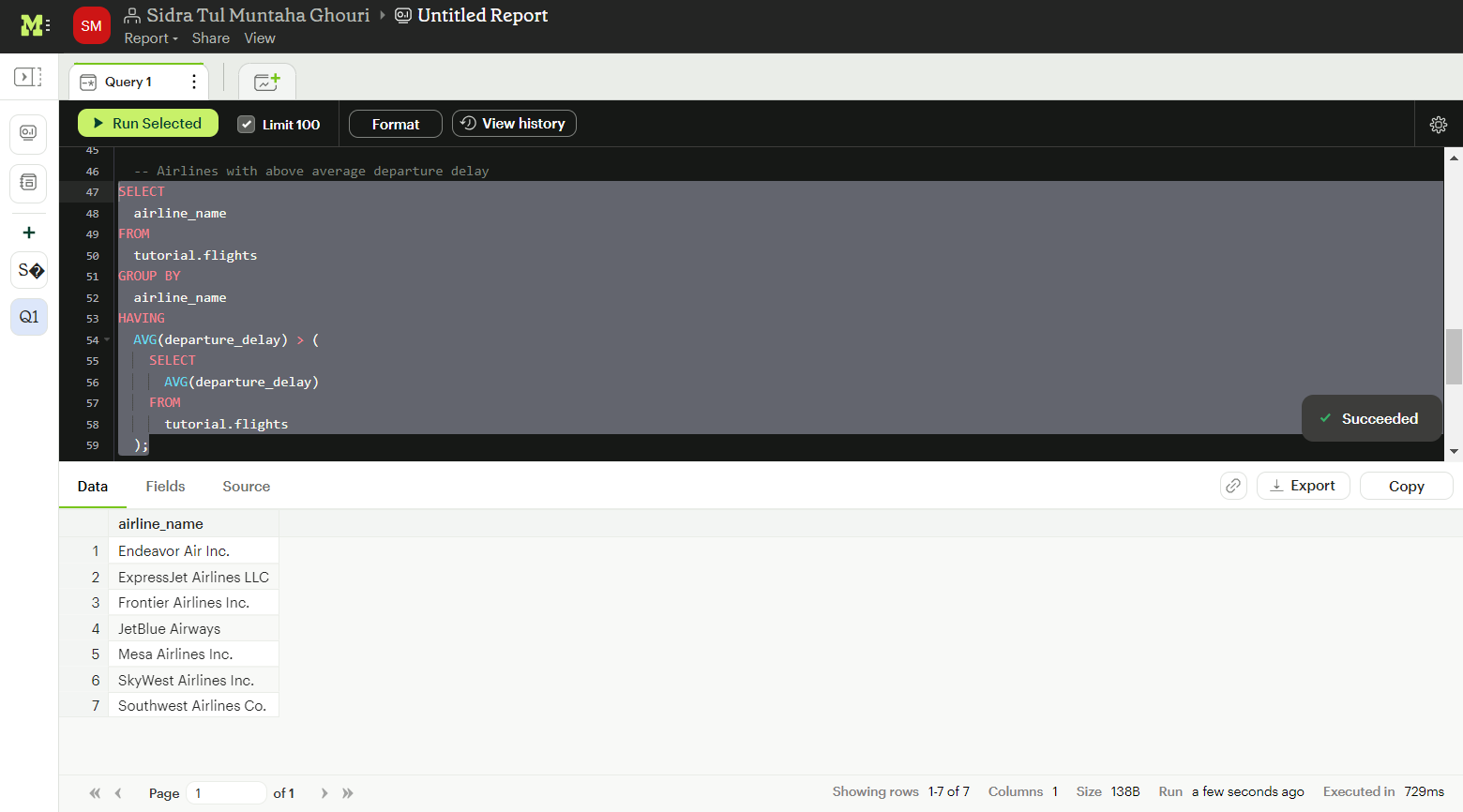
1. Flight with maximum arrival delay



1. Airlines with departure delays wheren each airline's departure delay is Above Average Departure Delay:



1. Airlines with above average departure delay



1. How many flights to Atlanta were cancelled on Friday.

