**Final Project – Airlines**

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This database tracks specific flight information. It starts out with a ticket that will keep track of the customer, flight number, departure airport, and the arrival airport. Additionally, the flight will keep track of the departure and arrival airports, the employees working, and other important information. This information will help the airlines keep track of the different elements that go into a flight and ensure consistency and clarity of information between them and the customers. These simple ERD diagrams can be expanded upon to add entities for the company, specific planes, seat numbers, and more.

**ERD – Level 0**

A diagram of a ticket and airport

Description automatically generated with low confidence

**ERD – LEVEL 1**

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Description automatically generated

**ERD – LEVEL 2**

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Description automatically generated

**CUSTOMERS**

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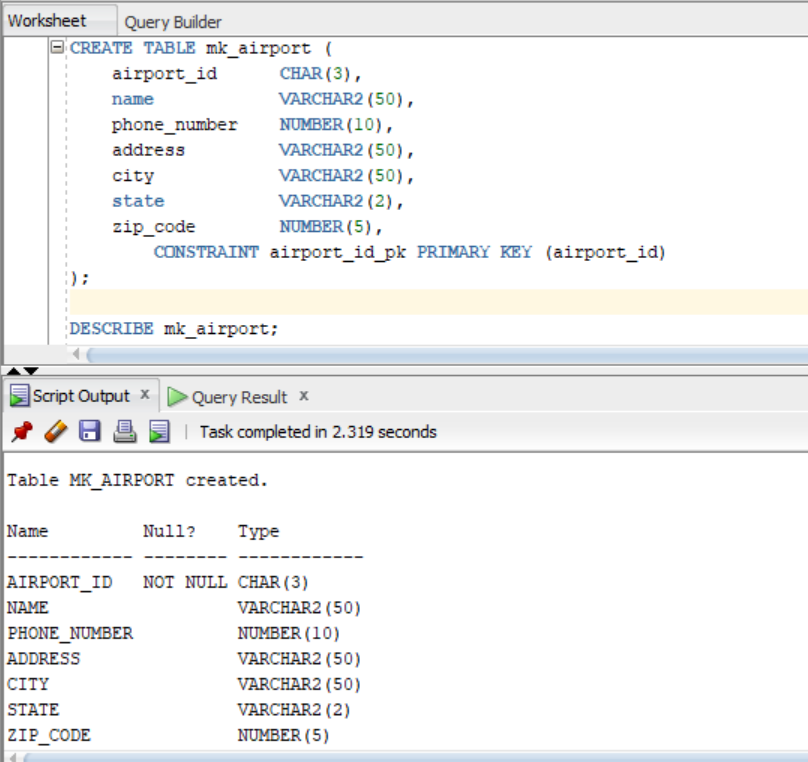
Description automatically generated

INSERT INTO mk\_customers (customer\_id, password, first\_name, last\_name, phone\_number, email, address, city, state, zip\_code) VALUES ('BA17283959', 'WildTacos20', 'Brian', 'Alderman', '8164481263', 'brianalderman@gmail.com', '1110 N Highway Ave', 'Kansas City', 'MO', '64151');

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Description automatically generated with medium confidence

**AIRPORT**

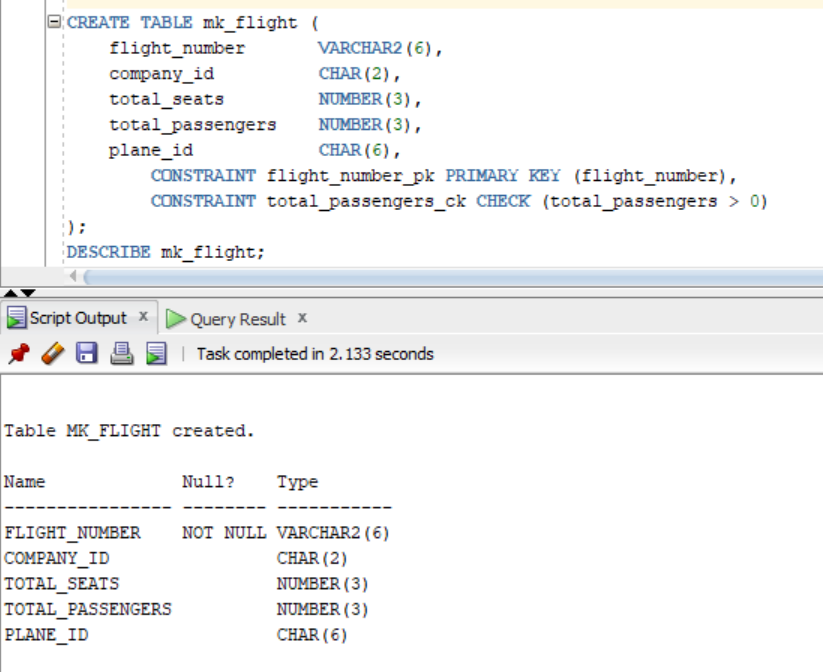


INSERT INTO mk\_airport (airport\_id, name, phone\_number, address, city, state, zip\_code) VALUES ('MCI', 'Kansas City International Airport', '8162435237', '1 Kansas City Blvd', 'Kansas City', 'MO', '64153');

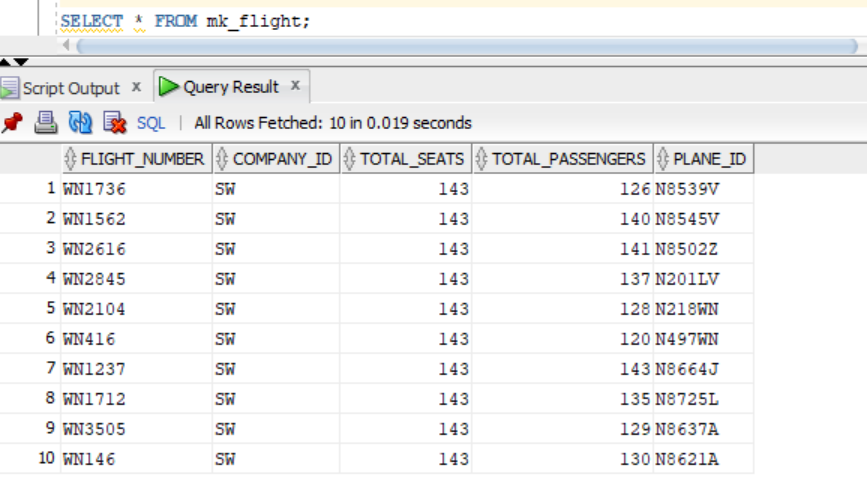
A screenshot of a computer

Description automatically generated

**FLIGHT**



INSERT INTO mk\_flight (flight\_number, company\_id, total\_seats, total\_passengers, plane\_id) VALUES ('WN1736', 'SW', 143, 126, 'N8539V');



**EMPLOYEE**

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Description automatically generated with medium confidence

INSERT INTO mk\_employee (employee\_id, password, first\_name, last\_name, position\_title, phone\_number, email, start\_date) VALUES ('JC85438906', 'IlikePlan3s!', 'Janet', 'Conner', 'First Officer', '8173245678', 'janetconner@gmail.com', '08-FEB-2005');

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Description automatically generated

**EMPLOYEE DETAILS**

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Description automatically generated with medium confidence

INSERT INTO mk\_employee\_details (flight\_number, employee\_id, position\_title) VALUES ('WN1736', 'MB68300791', 'Captain');

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Description automatically generated with medium confidence

**TICKET**

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Description automatically generated

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Description automatically generated

INSERT INTO mk\_ticket (ticket\_id, customer\_id, flight\_number, first\_name, last\_name, seat\_number, gate\_number, depart\_airport\_id, arriv\_airport\_id) VALUES ('GM43F', 'BA17283959', 'WN1736', 'Brian', 'Alderman', '17B', 'A28', 'MCI', 'TPA');

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Description automatically generated

**Query with a JOIN**

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Description automatically generated with medium confidence

**Filter in WHERE clause**

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Description automatically generated with medium confidence

**GROUP BY**

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Description automatically generated

**ORDER BY**

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Description automatically generated

**5th Query**

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Description automatically generated with medium confidence