

```
mysql> CREATE TABLE Airlines (  
->     airline_id INT PRIMARY KEY,  
->     airline_name VARCHAR(50),  
->     country VARCHAR(50)  
-> );  
Query OK, 0 rows affected (0.05 sec)  
  
mysql> INSERT INTO Airlines (airline_id, airline_name, country) VALUES  
-> (1, 'American Airlines', 'USA'),  
-> (2, 'Delta Airlines', 'USA'),  
-> (3, 'United Airlines', 'USA'),  
-> (4, 'Southwest Airlines', 'USA'),  
-> (5, 'Alaska Airlines', 'USA')  
-> ;  
Query OK, 5 rows affected (0.00 sec)  
Records: 5  Duplicates: 0  Warnings: 0
```

```
mysql> ALTER TABLE Flights  
-> ADD COLUMN airline_id INT,  
-> ADD FOREIGN KEY (airline_id) REFERENCES Airlines(airline_id);  
Query OK, 6 rows affected (0.06 sec)  
Records: 6  Duplicates: 0  Warnings: 0  
  
mysql> UPDATE Flights SET airline_id = 1 WHERE flight_id = 1;  
Query OK, 1 row affected (0.01 sec)  
Rows matched: 1  Changed: 1  Warnings: 0  
  
mysql> UPDATE Flights SET airline_id = 2 WHERE flight_id = 2;  
Query OK, 1 row affected (0.01 sec)  
Rows matched: 1  Changed: 1  Warnings: 0  
  
mysql> UPDATE Flights SET airline_id = 3 WHERE flight_id = 3;  
Query OK, 1 row affected (0.00 sec)  
Rows matched: 1  Changed: 1  Warnings: 0  
  
mysql> UPDATE Flights SET airline_id = 4 WHERE flight_id = 4;  
Query OK, 1 row affected (0.01 sec)  
Rows matched: 1  Changed: 1  Warnings: 0  
  
mysql> UPDATE Flights SET airline_id = 5 WHERE flight_id = 5;  
Query OK, 1 row affected (0.01 sec)  
Rows matched: 1  Changed: 1  Warnings: 0  
  
mysql> █
```

```
mysql> CREATE VIEW FlightDetails AS
-> SELECT
->     Flights.flight_id,
->     Flights.orig_airport,
->     Flights.dest_airport,
->     Flights.departure_time,
->     Flights.arrival_time,
->     Airlines.airline_name,
->     Airlines.country
-> FROM
->     Flights
-> JOIN
->     Airlines ON Flights.airline_id = Airlines.airline_id;
Query OK, 0 rows affected (0.02 sec)

mysql> █
```

```
mysql> select * from FlightDetails;
```

flight_id	orig_airport	dest_airport	departure_time	arrival_time	airline_name	country
1	LAX	JFK	2023-08-01 08:00:00	2023-08-01 16:00:00	American Airlines	USA
2	ORD	MIA	2023-08-01 09:00:00	2023-08-01 13:00:00	Delta Airlines	USA
3	DFW	ATL	2023-08-01 10:00:00	2023-08-01 14:00:00	United Airlines	USA
4	SFO	SEA	2023-08-01 11:00:00	2023-08-01 13:00:00	Southwest Airlines	USA
5	MCO	BOS	2023-08-01 12:00:00	2023-08-01 16:00:00	Alaska Airlines	USA

```
5 rows in set (0.00 sec)

mysql> █
```