```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| ADS                |
| company            |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
6 rows in set (0.02 sec)

mysql> use ADS;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql>
```

```
mysql>
mysql> CREATE TABLE Flights (
    ->     flight_id INT PRIMARY KEY,
    ->     orig_airport VARCHAR(10),
    ->     dest_airport VARCHAR(10),
    ->     departure_time TIMESTAMP,
    ->     arrival_time TIMESTAMP
    -> );
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> INSERT INTO Flights (flight_id, orig_airport, dest_airport, departure_time, arrival_time) VALUES
    -> (1, 'LAX', 'JFK', '2023-08-01 08:00:00', '2023-08-01 16:00:00'),
    -> (2, 'ORD', 'MIA', '2023-08-01 09:00:00', '2023-08-01 13:00:00'),
    -> (3, 'DFW', 'ATL', '2023-08-01 10:00:00', '2023-08-01 14:00:00'),
    -> (4, 'SFO', 'SEA', '2023-08-01 11:00:00', '2023-08-01 13:00:00'),
    -> (5, 'MCO', 'BOS', '2023-08-01 12:00:00', '2023-08-01 16:00:00')
    -> ;
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql>
```

```
mysql> select * from Flights;
+-----------+--------------+--------------+---------------------+---------------------+
| flight_id | orig_airport | dest_airport | departure_time      | arrival_time        |
+-----------+--------------+--------------+---------------------+---------------------+
|         1 | LAX          | JFK          | 2023-08-01 08:00:00 | 2023-08-01 16:00:00 |
|         2 | ORD          | MIA          | 2023-08-01 09:00:00 | 2023-08-01 13:00:00 |
|         3 | DFW          | ATL          | 2023-08-01 10:00:00 | 2023-08-01 14:00:00 |
|         4 | SFO          | SEA          | 2023-08-01 11:00:00 | 2023-08-01 13:00:00 |
|         5 | MCO          | BOS          | 2023-08-01 12:00:00 | 2023-08-01 16:00:00 |
+-----------+--------------+--------------+---------------------+---------------------+
5 rows in set (0.00 sec)

mysql>
```

```
mysql> CREATE VIEW LAX_Flights AS
    -> SELECT flight_id, orig_airport, dest_airport, departure_time, arrival_time
    -> FROM Flights
    -> WHERE orig_airport = 'LAX'
    -> ;
Query OK, 0 rows affected (0.02 sec)

mysql> SELECT * FROM LAX_Flights;
+-----------+--------------+--------------+---------------------+---------------------+
| flight_id | orig_airport | dest_airport | departure_time      | arrival_time        |
+-----------+--------------+--------------+---------------------+---------------------+
|         1 | LAX          | JFK          | 2023-08-01 08:00:00 | 2023-08-01 16:00:00 |
+-----------+--------------+--------------+---------------------+---------------------+
1 row in set (0.00 sec)

mysql>
```

```
mysql> LOCK TABLES Flights WRITE;
Query OK, 0 rows affected (0.00 sec)

mysql> SELECT * FROM Flights WHERE orig_airport = 'SFO';
+-----------+--------------+--------------+---------------------+---------------------+
| flight_id | orig_airport | dest_airport | departure_time      | arrival_time        |
+-----------+--------------+--------------+---------------------+---------------------+
|         4 | SFO          | SEA          | 2023-08-01 11:00:00 | 2023-08-01 13:00:00 |
+-----------+--------------+--------------+---------------------+---------------------+
1 row in set (0.00 sec)

mysql>
```

```
mysql> use ADS;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A


```

```
mysql> UNLOCK tables;
Query OK, 0 rows affected (0.01 sec)

mysql>
```

```
mysql> use ADS;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A


Database changed
mysql>
mysql>
mysql>
```

```
mysql> LOCK TABLES Flights READ;
Query OK, 0 rows affected (0.00 sec)

mysql> SELECT * FROM Flights WHERE orig_airport = 'LAX';
+-----------+--------------+--------------+---------------------+---------------------+
| flight_id | orig_airport | dest_airport | departure_time      | arrival_time        |
+-----------+--------------+--------------+---------------------+---------------------+
|         1 | LAX          | JFK          | 2023-08-01 08:00:00 | 2023-08-01 16:00:00 |
+-----------+--------------+--------------+---------------------+---------------------+
1 row in set (0.00 sec)
```

```
mysql> INSERT INTO Flights (flight_id, orig_airport, dest_airport, departure_time, arrival_time)
    -> VALUES (6, 'ORD', 'LAX', '2023-08-01 14:00:00', '2023-08-01 18:00:00')
    -> ;
```

```
mysql> UNLOCK tables;
Query OK, 0 rows affected (0.01 sec)

mysql>
```

```
mysql> INSERT INTO Flights (flight_id, orig_airport, dest_airport, departure_time, arrival_time)
    -> VALUES (6, 'ORD', 'LAX', '2023-08-01 14:00:00', '2023-08-01 18:00:00')
    -> ;




Query OK, 1 row affected (1 min 14.54 sec)
```