```sql
use flights_db;
create table flights_db(
    id int not null auto_increment,
    origin varchar(15) not null,destination varchar(15) not null,duration int not null,primary key(id));
show databases;
create table flights_noIndex(
    id int not null ,origin text not null,destination text not null,duration integer not null);
/*INSERT*/
INSERT INTO flights_db(origin, destination, duration)VALUES("New York" ,"London", 415);
INSERT INTO flights_db(origin, destination, duration)VALUES ("Shanghai" ,"Paris" ,760);
INSERT INTO flights_db(origin, destination, duration) VALUES ("Istanbul", "Tokyo", 700);
INSERT INTO flights_db(origin, destination, duration)VALUES ("New York", "Paris", 435);
INSERT INTO flights_db(origin, destination, duration)VALUES ("Moscow", "Paris", 245);
INSERT INTO flights_db(origin, destination, duration)VALUES("Lima", "New York", 455);
/*SELECT      WHERE*/
SELECT * FROM flights WHERE id= 3;
SELECT* FROM flights WHERE origin = "New York";
SELECT* FROM flights WHERE duration > 500;
SELECT * FROM flights WHERE duration > 500 AND destination = "Paris";
SELECT * FROM flights WHERE duration > 500 OR destination = "Paris";
SELECT * FROM flights WHERE origin IN ("New York", "Lima");
SELECT DISTINCT origin, destination FROM flights WHERE origin IN ("New York", "Lima");
SELECT DISTINCT origin FROM flights WHERE origin IN ("New York ", "Lima");
SELECT * FROM flights LIMIT 5;
SELECT * FROM airports order by code;
/*UPDATE   SET AND*/
UPDATE flights
    SET duration =430
```

Limit to 1000 rows

Automatic context help is
disabled. Use the toolbar t
manually get help for the
current caret position or t
toggle automatic help.

```sql
32        INDEX par_ind (flight_id),
33        CONSTRAINT fk_flights FOREIGN KEY (flight_id)
34        REFERENCES flights(id)
35        ON DELETE SET NULL
36        ON UPDATE SET NULL
37        );
38 •      INSERT INTO passenger (id, fname, lname, flight_id) VALUES (1,"Harry", "Potter", 1);
39 •      INSERT INTO passenger (id, fname, lname, flight_id) VALUES (2," Ron","weasley", 1);
40 •      INSERT INTO passenge(id ,fname, lname, flight_id) VALUES (3,"Hemione","Granger", 2);
41 •      INSERT INTO passenger (id, fname, lname, flight_id) VALUES (4, "Draco"," Malfoy", 4);
42 •      INSERT INTO passenger (id, fname, lname, flight_id) VALUES (5,"Luna","Lovegood", 6);
43 •      INSERT INTO passenger (id, fname, lname, flight_id) VALUES (6, "Ginny","Weasley", 6);
44        /*JOINS*/
45 •      SELECT flight_id, fname, lname, origin, destination
46        FROM flights JOIN passenger
47        ON passenger. flight_id= flights.id;
48 •      SELECT flight_id, fname, lname, origin, destination
49        FROM flights RIGHT OUTER JOIN passenger
50        ON passenger.flight_id =flights.id;
51 •      SELECT flight_id, fname, lname, origin, destination
52        FROM lights LEFT OUTER JOIN passenger
53        ON passenger. flight_id =flights.id;
54 •      SELECT flight_id, fname, lname, origin, destination
55        FROM flights JOIN passenger
56        ON passenger.flight_id = flights.id;
57 •      create index name_index on passengers(last);
58
```

Automatic context help is
disabled. Use the toolbar t
manually get help for the
current caret position or t
toggle automatic help.

```sql
25 •   SELECT * FROM airports order by code;
26     /*UPDATE  SET AND*/
27 •   UPDATE flights
28         SET duration =430
29     WHERE origin=" New York"
30         AND destination = "London";
31 •   CREATE TABLE passenger(id INT NOT NULL,fname VARCHAR (15) NOT NULL,lname VARCHAR (15) NOT NULL,flight_id INT,
32     INDEX par_ind (flight_id),
33     CONSTRAINT fk_flights FOREIGN KEY (flight_id)
34     REFERENCES flights(id)
35     ON DELETE SET NULL
36     ON UPDATE SET NULL
37     );
38 •   INSERT INTO passenger (id, fname, lname, flight_id) VALUES (1,"Harry", "Potter", 1);
39 •   INSERT INTO passenger (id, fname, lname, flight_id) VALUES (2," Ron","weasley", 1);
40 •   INSERT INTO passenge(id ,fname, Iname, flight_id) VALUES (3,"Hemione","Granger", 2);
41 •   INSERT INTO passenger (id, fname, lname, flight_id) VALUES (4, "Draco"," Malfoy", 4);
42 •   INSERT INTO passenger (id, fname, lname, flight_id) VALUES (5,"Luna","Lovegood", 6);
43 •   INSERT INTO passenger (id, fname, lname, flight_id) VALUES (6, "Ginny","Weasley", 6);
44     /*JOINS*/
45 •   SELECT flight_id, fname, lname, origin, destination
46     FROM flights JOIN passenger
47     ON passenger. flight_id= flights.id;
48 •   SELECT flight_id, fname, Iname, origin, destination
49     FROM flights RIGHT OUTER JOIN passenger
50     ON passenger.flight_id =flights.id;
51 •   SELECT flight_id, fname, lname, origin, destination
52     FROM lights LEFT OUTER JOIN passenger
```