POSTGRESQL UPDATE

```
dvdrental/postgres@PostgreSQL 13 ∨
Query Editor    Query History    Explain    Notifications
1   --create a table called courses and insert data
2   DROP TABLE IF EXISTS courses;
3
4   CREATE TABLE courses(
5       course_id serial primary key,
6       course_name VARCHAR(255) NOT NULL,
7       description VARCHAR(500),
8       published_date date
9   );
10
11  INSERT INTO
12      courses(course_name, description, published_date)
13  VALUES
14      ('PostgreSQL for Developers','A complete PostgreSQL for Developers','2020-07-13'),
15      ('PostgreSQL Admininstration','A PostgreSQL Guide for DBA',NULL),
16      ('PostgreSQL High Performance',NULL,NULL),
17      ('PostgreSQL Bootcamp','Learn PostgreSQL via Bootcamp','2013-07-11'),
18      ('Mastering PostgreSQL','Mastering PostgreSQL in 21 Days','2012-06-30');
19
--
Messages    Data Output
NOTICE:  table "courses" does not exist, skipping
INSERT 0 5

Query returned successfully in 621 msec.
```

```
dvdrental/postgres@PostgreSQL 13 ∨
Query Editor    Query History    Explain    Notifications
1   SELECT * FROM courses;
```

Messages   Data Output

course_id [PK] integer	course_name character varying (255)	description character varying (500)	published_date date
1	PostgreSQL for Developers	A complete PostgreSQ...	2020-07-13
2	PostgreSQL Admininstration	A PostgreSQL Guide fo...	[null]
3	PostgreSQL High Performance	[null]	[null]
4	PostgreSQL Bootcamp	Learn PostgreSQL via ...	2013-07-11
5	Mastering PostgreSQL	Mastering PostgreSQL ...	2012-06-30

Query Editor   Query History   Explain   Notifications

```
1  --uses the UPDATE statement to update the course with id 3. It changes the published_date from NULL to '2020-08-01'
2  UPDATE courses
3  SET published_date = '2020-08-01'
4  WHERE course_id = 3;
```

Messages   Data Output

```
UPDATE 1

Query returned successfully in 668 msec.
```

Query Editor   Query History   Explain   Notifications

```
1  -- selects the course with id 3 to verify the update
2  SELECT *
3  FROM courses
4  WHERE course_id = 3;
```

Messages   Data Output

	course_id [PK] integer	course_name character varying (255)	description character varying (500)	published_date date
1	3	PostgreSQL High Performance	[null]	2020-08-01

Updating a row and returning the updated row

Query Editor   Query History   Explain   Notifications

```
1  --This statement updates course id 2. It modifies published_date of the course to 2020-07-01 and returns the updated course
2  UPDATE courses
3  SET published_date = '2020-07-01'
4  WHERE course_id = 2
5  RETURNING *;
```

Messages   Data Output

	course_id [PK] integer	course_name character varying (255)	description character varying (500)	published_date date
1	2	PostgreSQL Admininstration	A PostgreSQL Guide for DBA	2020-07-01