

# PostgreSQL UPDATE

```
1  --The following statements create a table called courses and insert some data into it:
2
3  DROP TABLE IF EXISTS courses;
4
5  CREATE TABLE courses(
6      course_id serial primary key,
7      course_name VARCHAR(255) NOT NULL,
8      description VARCHAR(500),
9  );
```

dvdrantal/postgres@PostgreSQL

Query EditorQuery HistoryExplainNotifications

```
1 --The following statement returns the data from the courses table:
2
3 SELECT * FROM courses;
```

MessagesData Output

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

```
Query Editor  Query History  Explain  Notifications

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

Messages  Data Output

UPDATE 1

Query returned successfully in 76 msec.
```

Query Editor Query History Explain Notifications

```
1 --The following statement selects the course with id 3 to verify the update:
2
3 SELECT *
4 FROM courses
5 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	

Query Editor Query History Explain Notifications

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

Messages Data Output

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

