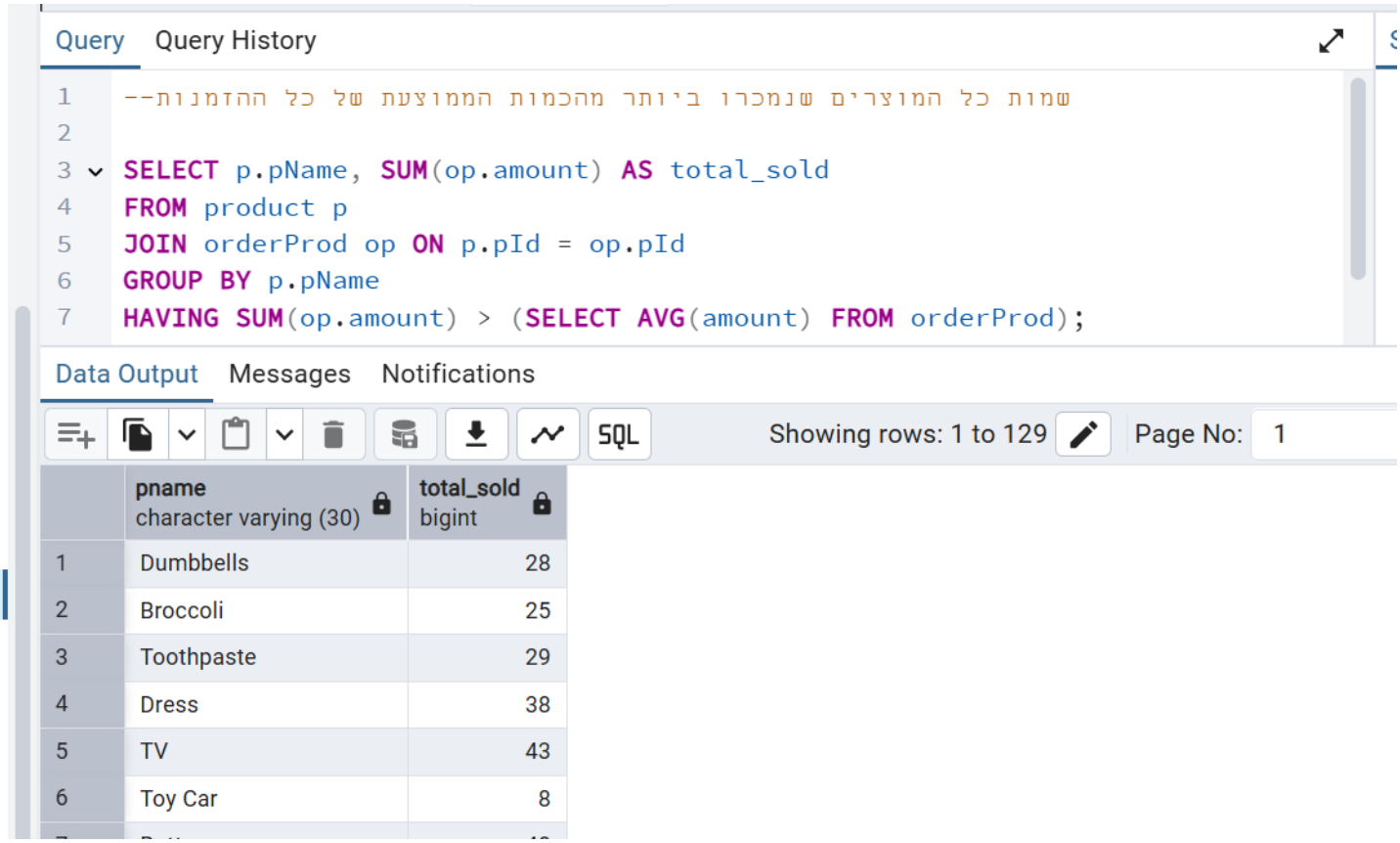
בס"ד

# דו"ח הפרויקט- שלב שני

## שאילתות select

1)מוצא את שמות כל המוצרים שנמכרו ביותר מהכמות הממוצעת של כל ההזמנות



2) מחזיר את שמות כל הלקוחות שביצעו הזמנה בחודש האחרון

```
--הלקוחות שעשו הזמנה בחודש האחרון

SELECT c.cid, c.cName, c.cphone, o.ordDate
FROM customer c
JOIN orders o ON c.cId = o.cId
WHERE EXTRACT(MONTH FROM o.ordDate) = EXTRACT(MONTH FROM CURRENT_DATE)
AND EXTRACT(YEAR FROM o.ordDate) = EXTRACT(YEAR FROM CURRENT_DATE);
```

Data Output | Messages | Notifications

Showing rows: 1 to 20 | Page No: 1

| | cid numeric (5) | cname character varying (15) | cphone numeric (12) | orddate date |
|---|---|---|---|---|
| 1 | 20 | Customer20 | 370062237812 | 2025-03-29 |
| 2 | 21 | Customer21 | 764136434115 | 2025-03-02 |
| 3 | 24 | Customer24 | 333257007042 | 2025-03-27 |
| 4 | 38 | Customer38 | 539227273660 | 2025-03-27 |
| 5 | 45 | Customer45 | 171884161354 | 2025-03-29 |
| 6 | 83 | Customer83 | 578317484129 | 2025-03-14 |

3) מראה את המחיר הכולל ששולם עבור כל מוצר שהוזמן ביותר מ-10 פעמים

```
--מראה את המחיר הכולל ששולם עבור כל מוצר שהוזמן ביותר מ-10 פעמים

SELECT p.pName, SUM(p.price * op.amount) AS total_revenue
FROM product p
JOIN orderProd op ON p.pId = op.pId
GROUP BY p.pName
HAVING SUM(op.amount) > 10;
```

Data Output | Messages | Notifications

Showing rows: 1 to 126 | Page No: 1

| | pname character varying (30) | total_revenue double precision |
|---|---|---|
| 1 | Dumbbells | 3371.4799999999996 |
| 2 | Broccoli | 3920.7500000000005 |
| 3 | Toothpaste | 2398.88 |
| 4 | Dress | 7528.94 |
| 5 | TV | 1278.82 |
| 6 | Butter | 6377.76 |
| 7 | Shrimp | 2741.25 |

4) מראה כמה מוצרים יש בכל מחלקה, ומסדר אותם לפי כמות יורדת

Query | Query History

```
--מראה כמה מוצרים יש בכל מחלקה, ומסדר אותם לפי כמות יורדת

SELECT d.depName, COUNT(p.pId) AS total_products
FROM department d
JOIN product p ON d.depId = p.depId
GROUP BY d.depName
ORDER BY total_products DESC;
```

Data Output | Messages | Notifications

Showing rows: 1 to 20 | Page No: 1

| | depname character varying (30) | total_products bigint |
|---|---|---|
| 1 | Clothing | 12 |
| 2 | Electronics | 12 |
| 3 | Stationery | 9 |
| 4 | Music | 9 |
| 5 | Pet Supplies | 7 |
| 6 | Fish | 7 |
| 7 | Jewelry | 7 |

5) מציג את שם הלקוח שביצע את ההזמנה היקרה ביותר

Query | Query History

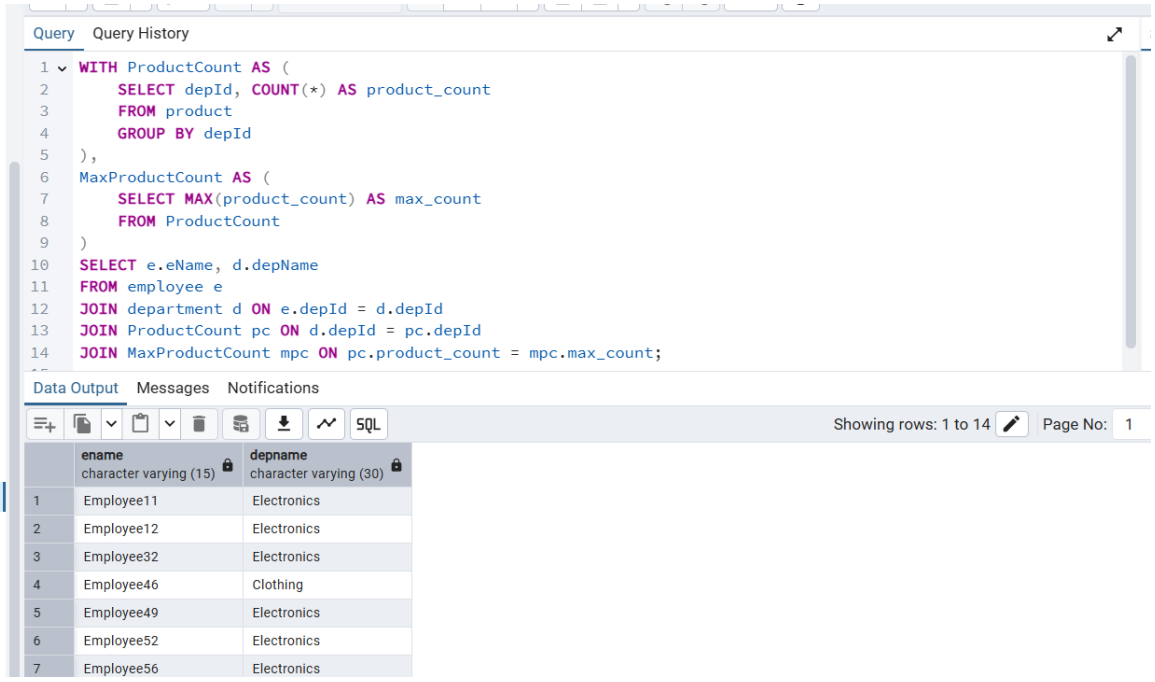
```
--מציג את שם הלקוח שביצע את ההזמנה היקרה ביותר

SELECT c.cid, c.cName, c.cphone, o.ordCost
FROM customer c
JOIN orders o ON c.cId = o.cId
WHERE o.ordCost = (SELECT MAX(ordCost) FROM orders);
```

Data Output | Messages | Notifications

Showing rows: 1 to 1 | Page No: 1

| | cid numeric (5) | cname character varying (15) | cphone numeric (12) | ordcost integer |
|---|---|---|---|---|
| 1 | 84 | Customer84 | 865376181014 | 499 |

6) מוצא את שמות העובדים שעובדים במחלקה עם הכי הרבה מוצרים



Query | Query History

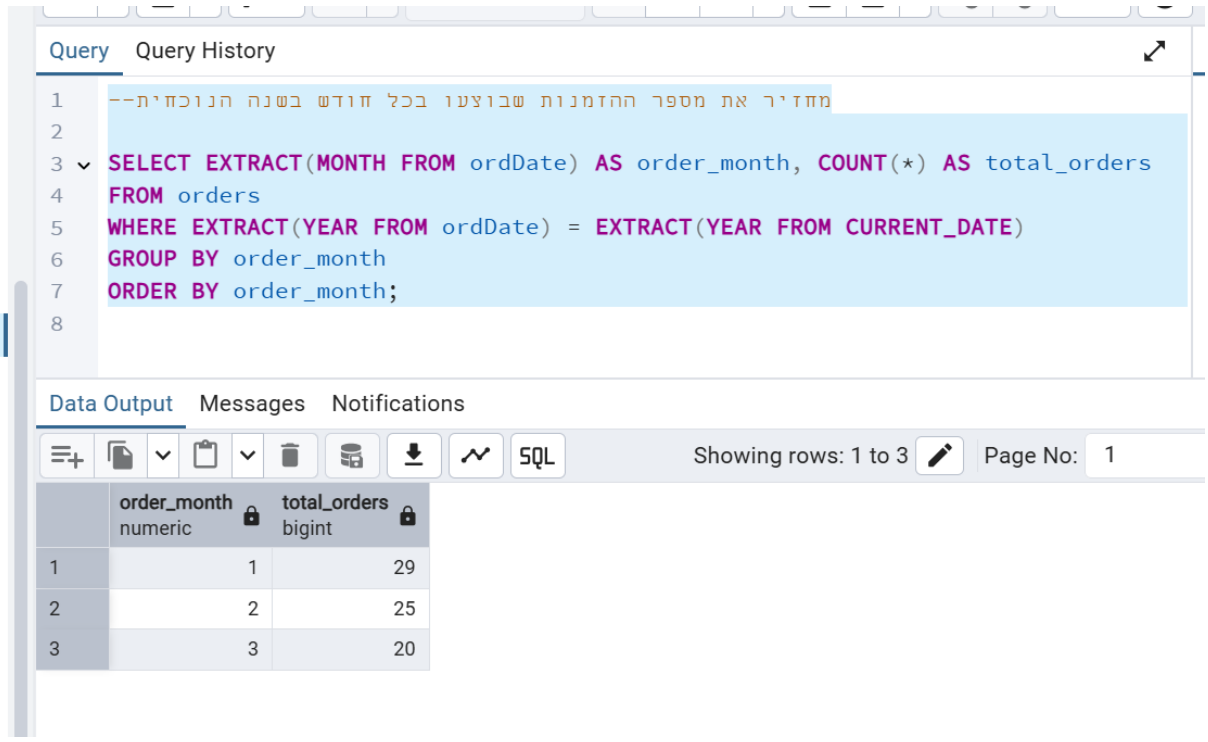
```
WITH ProductCount AS (
    SELECT depId, COUNT(*) AS product_count
    FROM product
    GROUP BY depId
),
MaxProductCount AS (
    SELECT MAX(product_count) AS max_count
    FROM ProductCount
)
SELECT e.eName, d.depName
FROM employee e
JOIN department d ON e.depId = d.depId
JOIN ProductCount pc ON d.depId = pc.depId
JOIN MaxProductCount mpc ON pc.product_count = mpc.max_count;
```

Data Output | Messages | Notifications

Showing rows: 1 to 14 | Page No: 1

| | ename character varying (15) | depname character varying (30) |
|---|---|---|
| 1 | Employee11 | Electronics |
| 2 | Employee12 | Electronics |
| 3 | Employee32 | Electronics |
| 4 | Employee46 | Clothing |
| 5 | Employee49 | Electronics |
| 6 | Employee52 | Electronics |
| 7 | Employee56 | Electronics |

7) מחזיר את מספר ההזמנות שבוצעו בכל חודש בשנה הנוכחית



Query | Query History

```
--מחזיר את מספר ההזמנות שבוצעו בכל חודש בשנה הנוכחית

SELECT EXTRACT(MONTH FROM ordDate) AS order_month, COUNT(*) AS total_orders
FROM orders
WHERE EXTRACT(YEAR FROM ordDate) = EXTRACT(YEAR FROM CURRENT_DATE)
GROUP BY order_month
ORDER BY order_month;
```

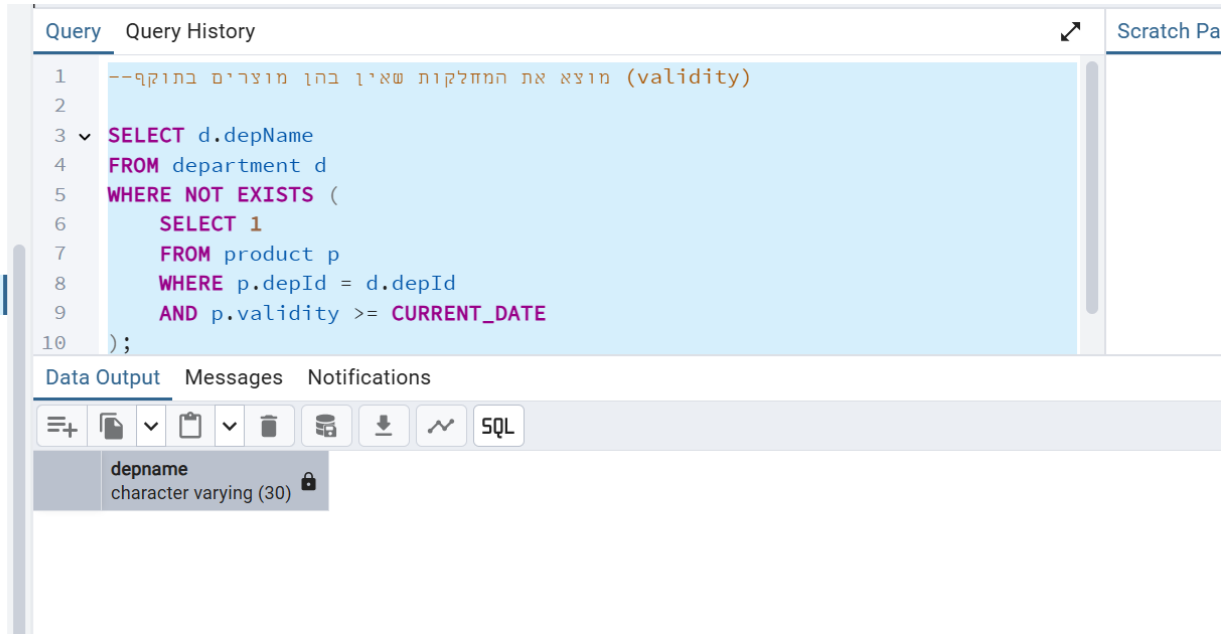
Data Output | Messages | Notifications

Showing rows: 1 to 3 | Page No: 1

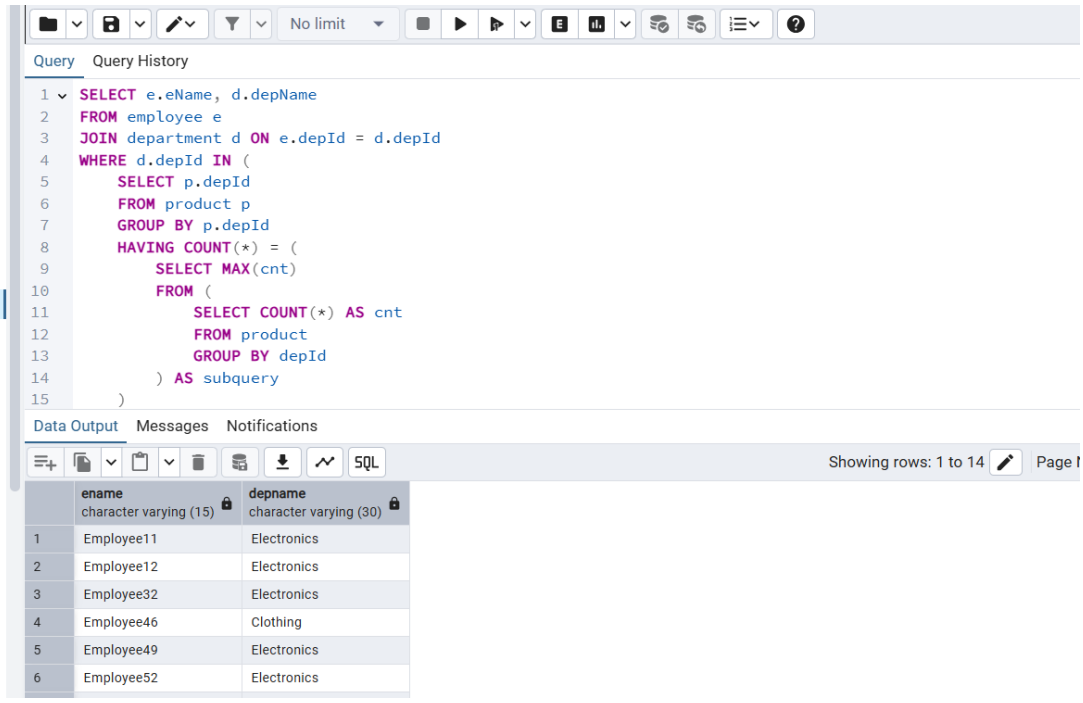
| | order_month numeric | total_orders bigint |
|---|---|---|
| 1 | 1 | 29 |
| 2 | 2 | 25 |
| 3 | 3 | 20 |

8) מוצא את המחלקות שאין בהן מוצרים בתוקף

הטבלה ריקה, כיון שיש אילוץ שאסור להכניס למערכת מוצר עם תאריך שכבר היה בעמודת התוקף,
עם זאת, אחרי שיעבור הזמן ובתוקף יעבור השאילתא תהיה יעילה ונצרכת.




9) מציאת המחלקות עם הכי הרבה מכירות




## שאילתות update

1) העלאת מחיר כל המוצרים ב-10% אם הם נמכרו מעל 50 פעמים

```sql
--העלאת מחיר כל המוצרים ב-10% אם הם נמכרו מעל 50 פעמים

UPDATE product
SET price = price * 1.1
WHERE pId IN (
    SELECT pId FROM orderProd GROUP BY pId HAVING SUM(amount) > 50
);
```

Data Output | Messages | Notifications

```
UPDATE 27

Query returned successfully in 98 msec.
```

## לפני:

Query | Query History

```sql
SELECT * FROM public.product
ORDER BY pid ASC
```

Data Output | Messages | Notifications

Showing rows: 1 to 130 | Page No: 1 of 1

| | pid [PK] numeric (5) | pname character varying (30) | stock integer | price double precision | validity date | depid numeric (5) |
|---|---|---|---|---|---|---|
| 1 | 1 | Laptop | 13 | 72.49 | 2025-11-29 | 20 |
| 2 | 2 | Shirt | 27 | 149.17 | 2025-12-15 | 15 |
| 3 | 3 | Apple | 2 | 70.42 | 2026-02-13 | 14 |
| 4 | 4 | Sofa | 27 | 18 | 2025-06-15 | 14 |
| 5 | 5 | Toy Car | 32 | 107.5 | 2026-03-13 | 4 |
| 6 | 6 | Book | 37 | 113.37 | 2025-11-22 | 14 |
| 7 | 7 | TV | 48 | 29.74 | 2025-10-17 | 11 |
| 8 | 8 | Jeans | 1 | 14.76 | 2026-01-04 | 4 |
| 9 | 9 | Banana | 25 | 86.29 | 2025-10-04 | 1 |

אחרי:

```
SELECT * FROM public.product
ORDER BY pid ASC
```

Data Output | Messages | Notifications

Showing rows: 1 to 130 | Page No: 1 of

| | pid [PK] numeric (5) | pname character varying (30) | stock integer | price double precision | validity date | depid numeric (5) |
|---|---|---|---|---|---|---|
| 1 | 1 | Laptop | 13 | 72.49 | 2025-11-29 | 20 |
| 2 | 2 | Shirt | 27 | 164.087 | 2025-12-15 | 15 |
| 3 | 3 | Apple | 2 | 70.42 | 2026-02-13 | 14 |
| 4 | 4 | Sofa | 27 | 18 | 2025-06-15 | 14 |
| 5 | 5 | Toy Car | 32 | 107.5 | 2026-03-13 | 4 |
| 6 | 6 | Book | 37 | 113.37 | 2025-11-22 | 14 |
| 7 | 7 | TV | 48 | 29.74 | 2025-10-17 | 11 |
| 8 | 8 | Jeans | 1 | 14.76 | 2026-01-04 | 4 |
| 9 | 9 | Banana | 25 | 86.29 | 2025-10-04 | 1 |
| 10 | 10 | Couch | 37 | 68.02 | 2026-02-13 | 19 |

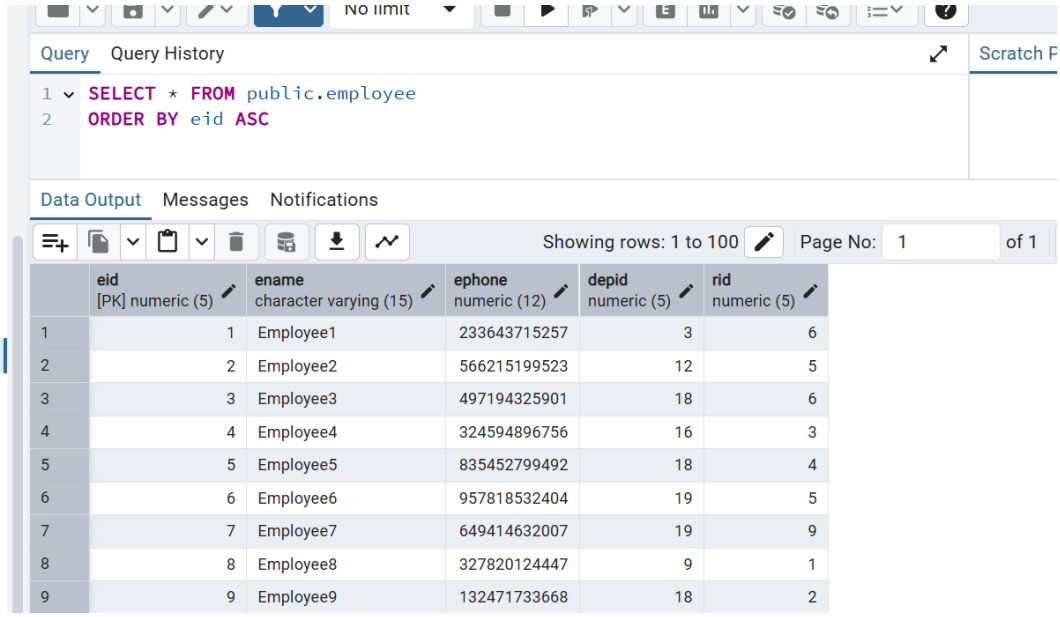
2) עדכון סטטוס של עובדים במחלקה מסוימת ל "inactive"-אם לא בוצעו הזמנות דרך מחלקתם בחצי השנה האחרונה

```
--עדכון סטטוס של עובדים במחלקה מסוימת ל-"inactive" מחלקתם בחצי השנה האחרונה

UPDATE employee
SET rId = (SELECT rId FROM role WHERE alias = 'inactive' LIMIT 1)
WHERE depId NOT IN (
    SELECT DISTINCT p.depId
    FROM product p
    JOIN orderProd op ON p.pId = op.pId
    JOIN orders o ON op.ordId = o.ordId
```

Data Output | Messages | Notifications

```
UPDATE 0

Query returned successfully in 57 msec.
```

## לפני:



```
SELECT * FROM public.employee
ORDER BY eid ASC
```

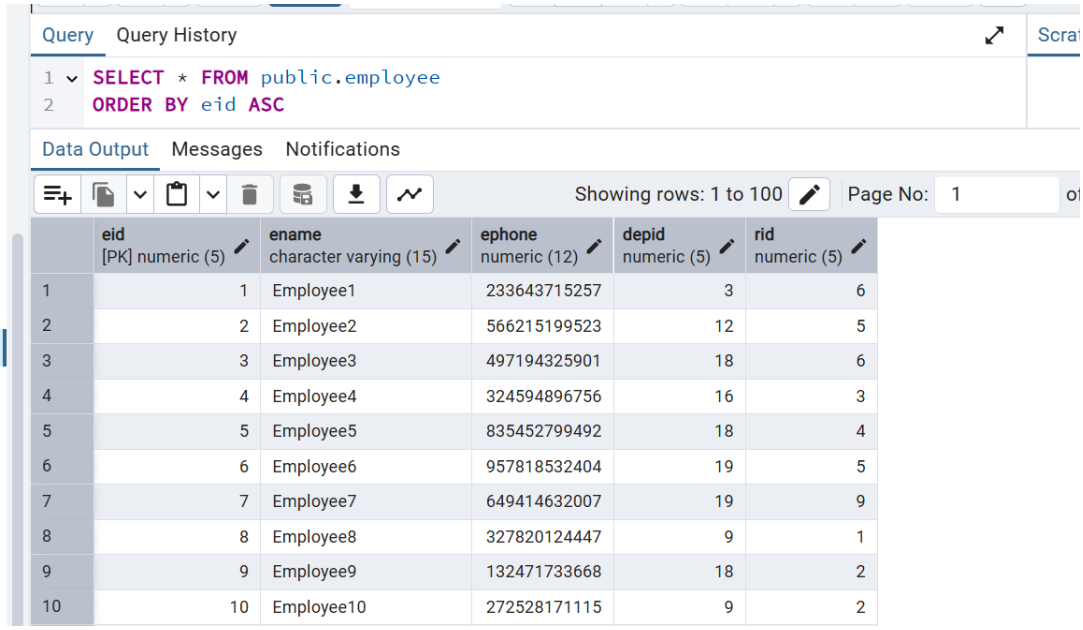
Query | Query History | Scratch P

Data Output | Messages | Notifications

Showing rows: 1 to 100 | Page No: 1 of 1

| | eid [PK] numeric (5) | ename character varying (15) | ephone numeric (12) | depid numeric (5) | rid numeric (5) |
|---|---|---|---|---|---|
| 1 | 1 | Employee1 | 233643715257 | 3 | 6 |
| 2 | 2 | Employee2 | 566215199523 | 12 | 5 |
| 3 | 3 | Employee3 | 497194325901 | 18 | 6 |
| 4 | 4 | Employee4 | 324594896756 | 16 | 3 |
| 5 | 5 | Employee5 | 835452799492 | 18 | 4 |
| 6 | 6 | Employee6 | 957818532404 | 19 | 5 |
| 7 | 7 | Employee7 | 649414632007 | 19 | 9 |
| 8 | 8 | Employee8 | 327820124447 | 9 | 1 |
| 9 | 9 | Employee9 | 132471733668 | 18 | 2 |

## אחרי:



```
SELECT * FROM public.employee
ORDER BY eid ASC
```

Query | Query History | Scrat

Data Output | Messages | Notifications

Showing rows: 1 to 100 | Page No: 1 of

| | eid [PK] numeric (5) | ename character varying (15) | ephone numeric (12) | depid numeric (5) | rid numeric (5) |
|---|---|---|---|---|---|
| 1 | 1 | Employee1 | 233643715257 | 3 | 6 |
| 2 | 2 | Employee2 | 566215199523 | 12 | 5 |
| 3 | 3 | Employee3 | 497194325901 | 18 | 6 |
| 4 | 4 | Employee4 | 324594896756 | 16 | 3 |
| 5 | 5 | Employee5 | 835452799492 | 18 | 4 |
| 6 | 6 | Employee6 | 957818532404 | 19 | 5 |
| 7 | 7 | Employee7 | 649414632007 | 19 | 9 |
| 8 | 8 | Employee8 | 327820124447 | 9 | 1 |
| 9 | 9 | Employee9 | 132471733668 | 18 | 2 |
| 10 | 10 | Employee10 | 272528171115 | 9 | 2 |

## 3) עדכון מחיר כל המוצרים שתוקפם פג ל-0 (נחשבים כלא זמינים)

```
--(נחשבים כלא זמינים) 0-עדכון מחיר כל המוצרים שתוקפם פג ל

UPDATE product
SET price = 0
WHERE validity < CURRENT_DATE;

```

Data Output | Messages | Notifications

```
UPDATE 0

Query returned successfully in 49 msec.
```

## לפני:

Views

Query | Query History

```
SELECT * FROM public.product
ORDER BY pid ASC
```

Data Output | Messages | Notifications

Showing rows: 1 to 130 | Page No: 1

| | pid [PK] numeric (5) | pname character varying (30) | stock integer | price double precision | validity date | depid numeric (5) |
|---|---|---|---|---|---|---|
| 1 | 1 | Laptop | 13 | 72.49 | 2025-11-29 | 20 |
| 2 | 2 | Shirt | 27 | 149.17 | 2025-12-15 | 15 |
| 3 | 3 | Apple | 2 | 70.42 | 2026-02-13 | 14 |
| 4 | 4 | Sofa | 27 | 18 | 2025-06-15 | 14 |
| 5 | 5 | Toy Car | 32 | 107.5 | 2026-03-13 | 4 |
| 6 | 6 | Book | 37 | 113.37 | 2025-11-22 | 14 |

# אחרי:

Query | Query History

```
1 SELECT * FROM public.product
2 ORDER BY pid ASC
```

Data Output | Messages | Notifications

Showing rows: 1 to 130 | Page No: 1 of

| | pid [PK] numeric (5) | pname character varying (30) | stock integer | price double precision | validity date | depid numeric (5) |
|---|---|---|---|---|---|---|
| 1 | 1 | Laptop | 13 | 72.49 | 2025-11-29 | 20 |
| 2 | 2 | Shirt | 27 | 164.087 | 2025-12-15 | 15 |
| 3 | 3 | Apple | 2 | 70.42 | 2026-02-13 | 14 |
| 4 | 4 | Sofa | 27 | 18 | 2025-06-15 | 14 |
| 5 | 5 | Toy Car | 32 | 107.5 | 2026-03-13 | 4 |
| 6 | 6 | Book | 37 | 113.37 | 2025-11-22 | 14 |
| 7 | 7 | TV | 48 | 29.74 | 2025-10-17 | 11 |
| 8 | 8 | Jeans | 1 | 14.76 | 2026-01-04 | 4 |
| 9 | 9 | Banana | 25 | 86.29 | 2025-10-04 | 1 |
| 10 | 10 | Couch | 37 | 68.02 | 2026-02-13 | 19 |

# שאילתות delete

1) מחיקת כל ההזמנות שבוצעו יותר משנה אחורה

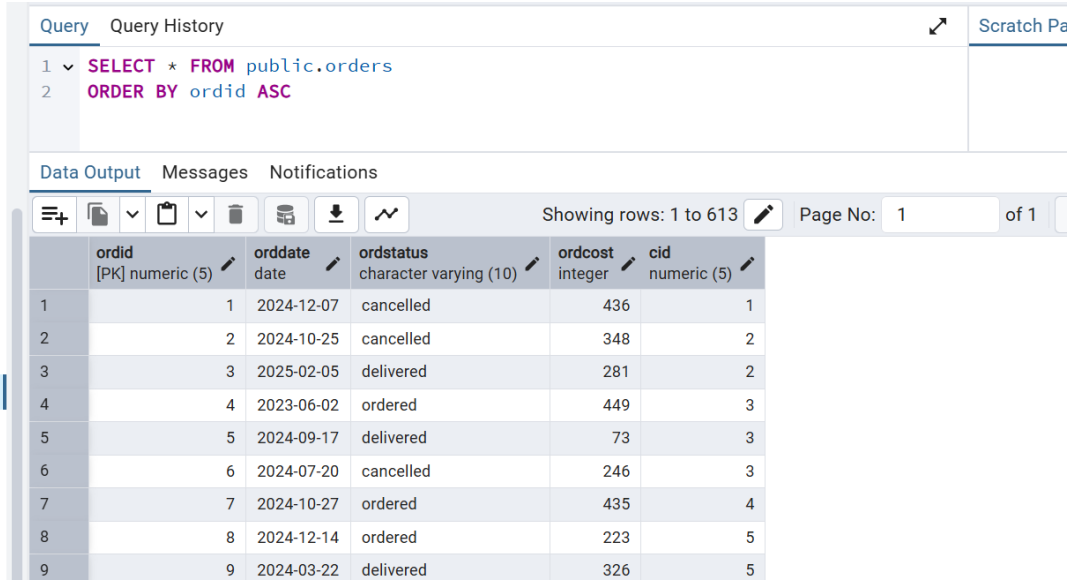
Query | Query History

```
1 --מחיקת כל ההזמנות שבוצעו יותר משנה אחורה
2
3 DELETE FROM orders
4 WHERE ordDate < CURRENT_DATE - INTERVAL '1 year';
5
```

Data Output | Messages | Notifications

```
DELETE 314

Query returned successfully in 80 msec.
```

## לפני:



Query | Query History | Scratch Pa

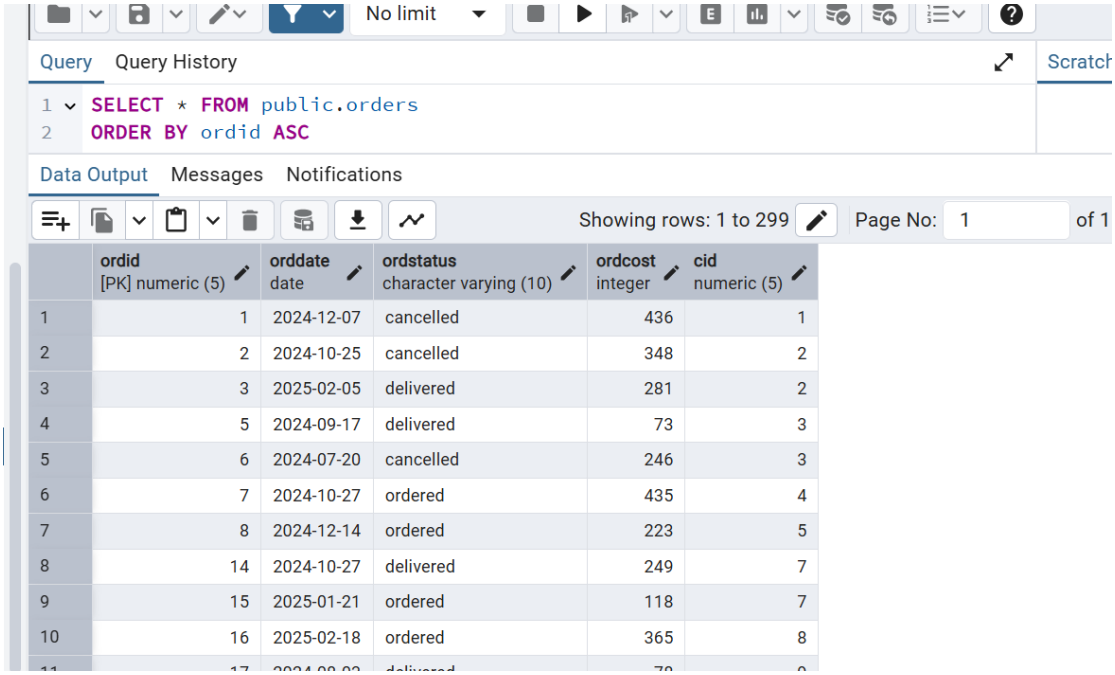
```
1 SELECT * FROM public.orders
2 ORDER BY ordid ASC
```

Data Output | Messages | Notifications

Showing rows: 1 to 613 | Page No: 1 of 1

| | ordid [PK] numeric (5) | orddate date | ordstatus character varying (10) | ordcost integer | cid numeric (5) |
|---|---|---|---|---|---|
| 1 | 1 | 2024-12-07 | cancelled | 436 | 1 |
| 2 | 2 | 2024-10-25 | cancelled | 348 | 2 |
| 3 | 3 | 2025-02-05 | delivered | 281 | 2 |
| 4 | 4 | 2023-06-02 | ordered | 449 | 3 |
| 5 | 5 | 2024-09-17 | delivered | 73 | 3 |
| 6 | 6 | 2024-07-20 | cancelled | 246 | 3 |
| 7 | 7 | 2024-10-27 | ordered | 435 | 4 |
| 8 | 8 | 2024-12-14 | ordered | 223 | 5 |
| 9 | 9 | 2024-03-22 | delivered | 326 | 5 |

## אחרי:



No limit

Query | Query History | Scratch

```
1 SELECT * FROM public.orders
2 ORDER BY ordid ASC
```

Data Output | Messages | Notifications

Showing rows: 1 to 299 | Page No: 1 of 1

| | ordid [PK] numeric (5) | orddate date | ordstatus character varying (10) | ordcost integer | cid numeric (5) |
|---|---|---|---|---|---|
| 1 | 1 | 2024-12-07 | cancelled | 436 | 1 |
| 2 | 2 | 2024-10-25 | cancelled | 348 | 2 |
| 3 | 3 | 2025-02-05 | delivered | 281 | 2 |
| 4 | 5 | 2024-09-17 | delivered | 73 | 3 |
| 5 | 6 | 2024-07-20 | cancelled | 246 | 3 |
| 6 | 7 | 2024-10-27 | ordered | 435 | 4 |
| 7 | 8 | 2024-12-14 | ordered | 223 | 5 |
| 8 | 14 | 2024-10-27 | delivered | 249 | 7 |
| 9 | 15 | 2025-01-21 | ordered | 118 | 7 |
| 10 | 16 | 2025-02-18 | ordered | 365 | 8 |

2) מחיקת לקוחות שלא ביצעו הזמנה מעולם

Query | Query History

```
1  --מחיקת לקוחות שלא ביצעו הזמנה מעולם
2
3  DELETE FROM customer
4  WHERE cId NOT IN (SELECT DISTINCT cId FROM orders);
5
```

Data Output | Messages | Notifications

```
DELETE 186

Query returned successfully in 47 msec.
```

## לפני:

Query | Query History

```
1  SELECT * FROM public.customer
2  ORDER BY cid ASC
```

Data Output | Messages | Notifications

Showing rows: 1 to 400 | Page No: 1 of 1

| | cid [PK] numeric (5) | cname character varying (15) | cphone numeric (12) |
|---|---|---|---|
| 1 | 1 | Customer1 | 806715987455 |
| 2 | 2 | Customer2 | 860121600253 |
| 3 | 3 | Customer3 | 188597830061 |
| 4 | 4 | Customer4 | 134717068926 |
| 5 | 5 | Customer5 | 387696126771 |
| 6 | 6 | Customer6 | 624480379433 |
| 7 | 7 | Customer7 | 710407155966 |
| 8 | 8 | Customer8 | 842696148500 |
| 9 | 9 | Customer9 | 390734286734 |

## אחרי:

Query | Query History

```
1  SELECT * FROM public.customer
2  ORDER BY cid ASC
```

Data Output | Messages | Notifications

Showing rows: 1 to 214 | Page No: 1

| | cid [PK] numeric (5) | cname character varying (15) | cphone numeric (12) |
|---|---|---|---|
| 1 | 1 | Customer1 | 806715987455 |
| 2 | 2 | Customer2 | 860121600253 |
| 3 | 3 | Customer3 | 188597830061 |
| 4 | 4 | Customer4 | 134717068926 |
| 5 | 5 | Customer5 | 387696126771 |
| 6 | 7 | Customer7 | 710407155966 |
| 7 | 8 | Customer8 | 842696148500 |
| 8 | 9 | Customer9 | 390734286734 |
| 9 | 10 | Customer10 | 855340212494 |
| 10 | 11 | Customer11 | 130278793711 |

## 3) מחיקת מוצרים שאין מהם מלאי בכלל ואין הזמנות שלהם

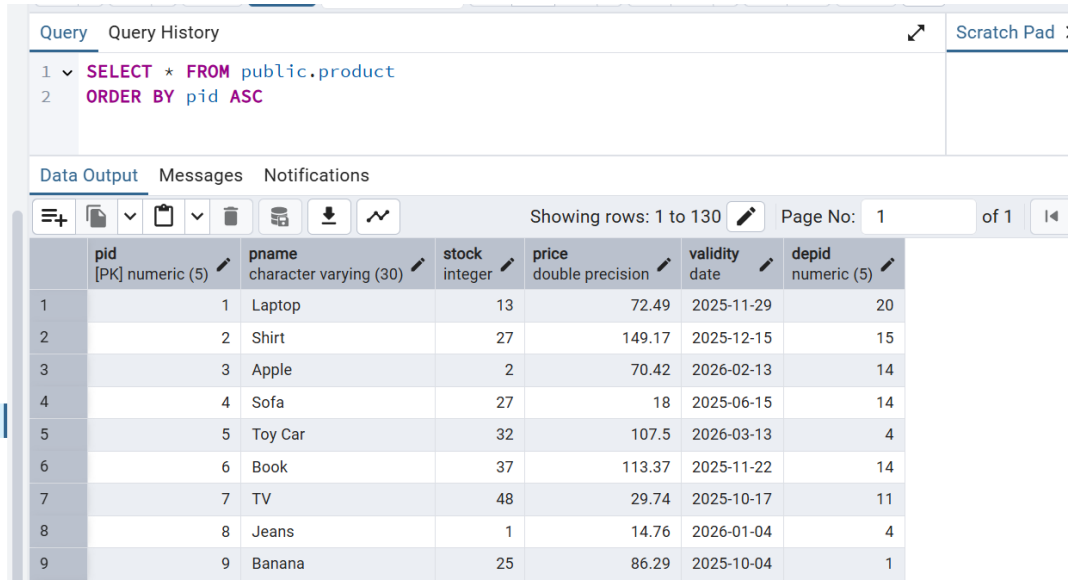
Query | Query History

```
1  --מחיקת מוצרים שאין מהם מלאי בכלל ואין הזמנות שלהם
2
3  DELETE FROM product
4  WHERE stock = 0
5  AND pId NOT IN (SELECT DISTINCT pId FROM orderProd);
6
```

Data Output | Messages | Notifications

```
DELETE 0

Query returned successfully in 42 msec.
```

## לפני:



Query | Query History | Scratch Pad

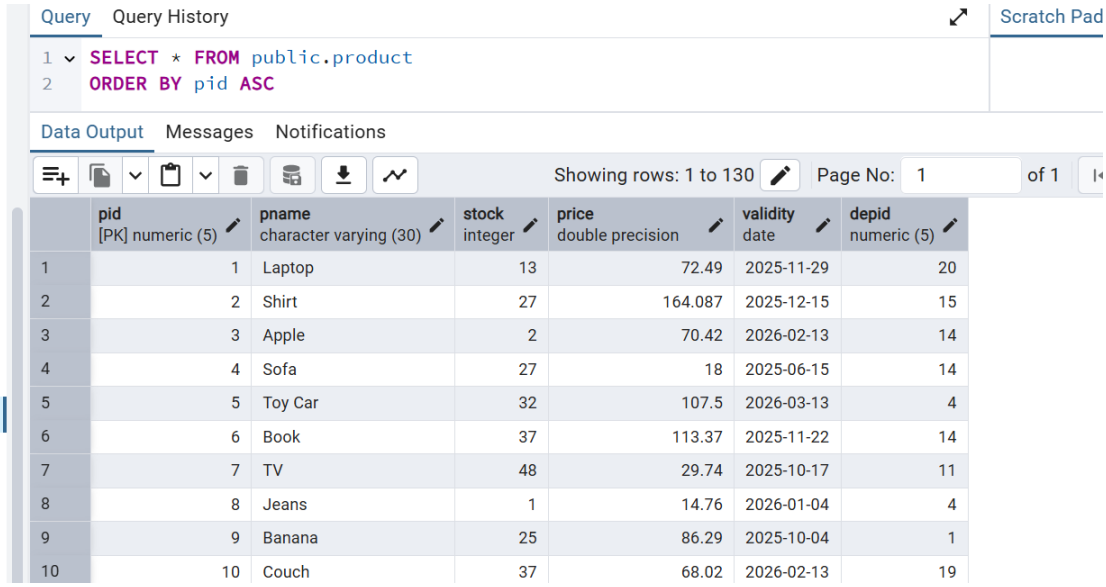
```
SELECT * FROM public.product
ORDER BY pid ASC
```

Data Output | Messages | Notifications

Showing rows: 1 to 130 | Page No: 1 of 1

| | pid [PK] numeric (5) | pname character varying (30) | stock integer | price double precision | validity date | depid numeric (5) |
|---|---|---|---|---|---|---|
| 1 | 1 | Laptop | 13 | 72.49 | 2025-11-29 | 20 |
| 2 | 2 | Shirt | 27 | 149.17 | 2025-12-15 | 15 |
| 3 | 3 | Apple | 2 | 70.42 | 2026-02-13 | 14 |
| 4 | 4 | Sofa | 27 | 18 | 2025-06-15 | 14 |
| 5 | 5 | Toy Car | 32 | 107.5 | 2026-03-13 | 4 |
| 6 | 6 | Book | 37 | 113.37 | 2025-11-22 | 14 |
| 7 | 7 | TV | 48 | 29.74 | 2025-10-17 | 11 |
| 8 | 8 | Jeans | 1 | 14.76 | 2026-01-04 | 4 |
| 9 | 9 | Banana | 25 | 86.29 | 2025-10-04 | 1 |

## אחרי:



Query | Query History | Scratch Pad

```
SELECT * FROM public.product
ORDER BY pid ASC
```

Data Output | Messages | Notifications

Showing rows: 1 to 130 | Page No: 1 of 1

| | pid [PK] numeric (5) | pname character varying (30) | stock integer | price double precision | validity date | depid numeric (5) |
|---|---|---|---|---|---|---|
| 1 | 1 | Laptop | 13 | 72.49 | 2025-11-29 | 20 |
| 2 | 2 | Shirt | 27 | 164.087 | 2025-12-15 | 15 |
| 3 | 3 | Apple | 2 | 70.42 | 2026-02-13 | 14 |
| 4 | 4 | Sofa | 27 | 18 | 2025-06-15 | 14 |
| 5 | 5 | Toy Car | 32 | 107.5 | 2026-03-13 | 4 |
| 6 | 6 | Book | 37 | 113.37 | 2025-11-22 | 14 |
| 7 | 7 | TV | 48 | 29.74 | 2025-10-17 | 11 |
| 8 | 8 | Jeans | 1 | 14.76 | 2026-01-04 | 4 |
| 9 | 9 | Banana | 25 | 86.29 | 2025-10-04 | 1 |
| 10 | 10 | Couch | 37 | 68.02 | 2026-02-13 | 19 |

## קביעת אילוצים

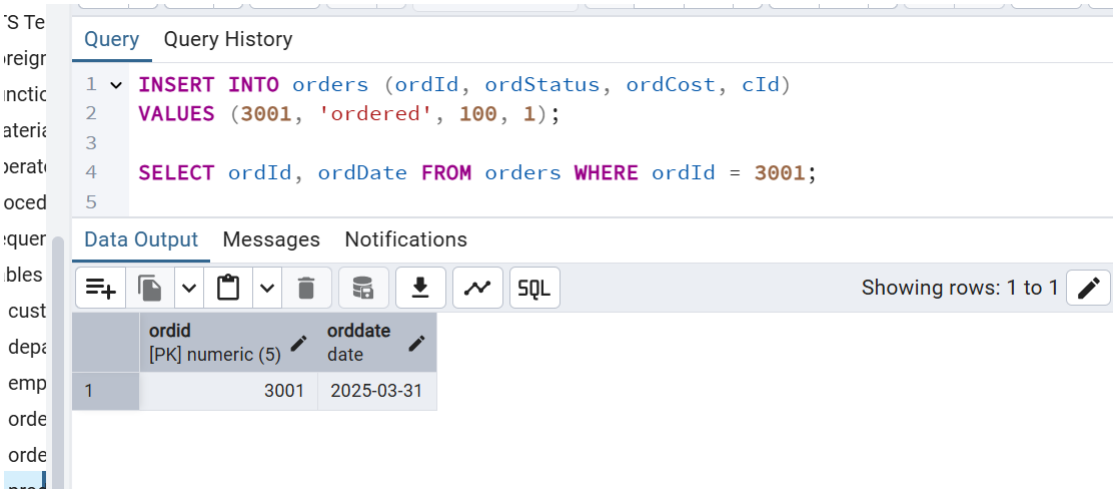
-טלפון חייב להיות באורך 12 ספרות.

-אם לא מוזן תאריך הזמנה, ייקבע התאריך הנוכחי כברירת מחדל.

-NOT NULL: שם המוצר הוא חובה.


# בדיקה 1: אין מספיק ספרות בטלפון


# בדיקה 2: תאריך מתעדכן כברירת מחדל




# בדיקה 3: ערך NULL

Query  Query History

```
1 INSERT INTO product (pId, stock, price, validity, depId)
2 VALUES (5001, 10, 49.99, '2026-01-01', 2);
3
```

Data Output  Messages  Notifications

```
ERROR:  null value in column "pname" of relation "product" violates not-null constraint
Failing row contains (5001, null, 10, 49.99, 2026-01-01, 2).

SQL state: 23502
Detail: Failing row contains (5001, null, 10, 49.99, 2026-01-01, 2).
```

## תוספת: COMMIT -ו ROLLBACK

1)

לפני:

```
1 SELECT * FROM employee WHERE eName = 'Employee77';
2
```

Data Output  Messages  Notifications

| | eid [PK] numeric (5) | ename character varying (15) | ephone numeric (12) | depid numeric (5) | rid numeric (5) |
|---|---|---|---|---|---|
| 1 | 77 | Employee77 | 407338864646 | 1 | 7 |

עידכון:

Query Query History

```
1  BEGIN;
2
3  UPDATE employee
4  SET eName = 'TemporaryName'
5  WHERE eName = 'Employee77';
6
7  SELECT * FROM employee WHERE eName IN ('Employee77', 'TemporaryName');
8
```

Data Output Messages Notifications

Showing

| | eid [PK] numeric (5) | ename character varying (15) | ephone numeric (12) | depid numeric (5) | rid numeric (5) |
|---|---|---|---|---|---|
| 1 | 77 | TemporaryName | 407338864646 | 1 | 7 |

## ROLLBACK

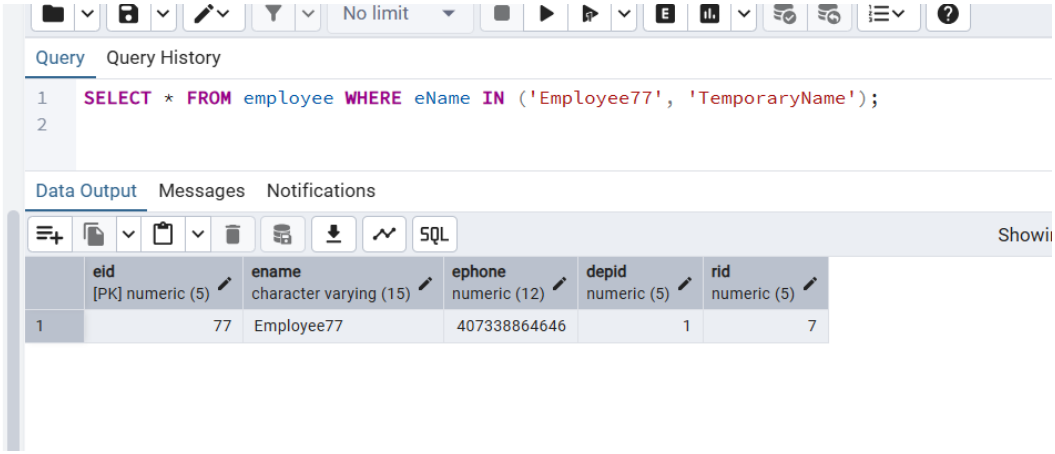
Query Query History

```
1  ROLLBACK;
2
```

Data Output Messages Notifications

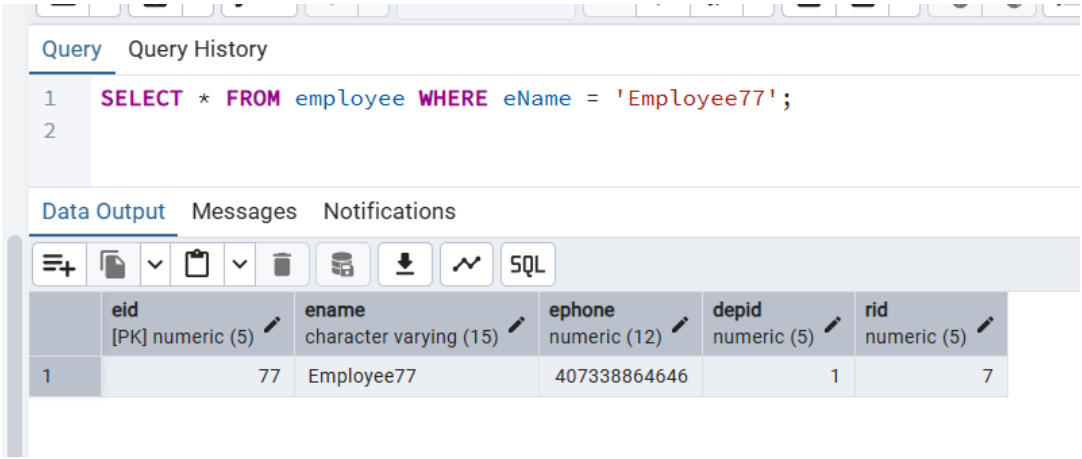
```
ROLLBACK

Query returned successfully in 1 secs 97 msec.
```

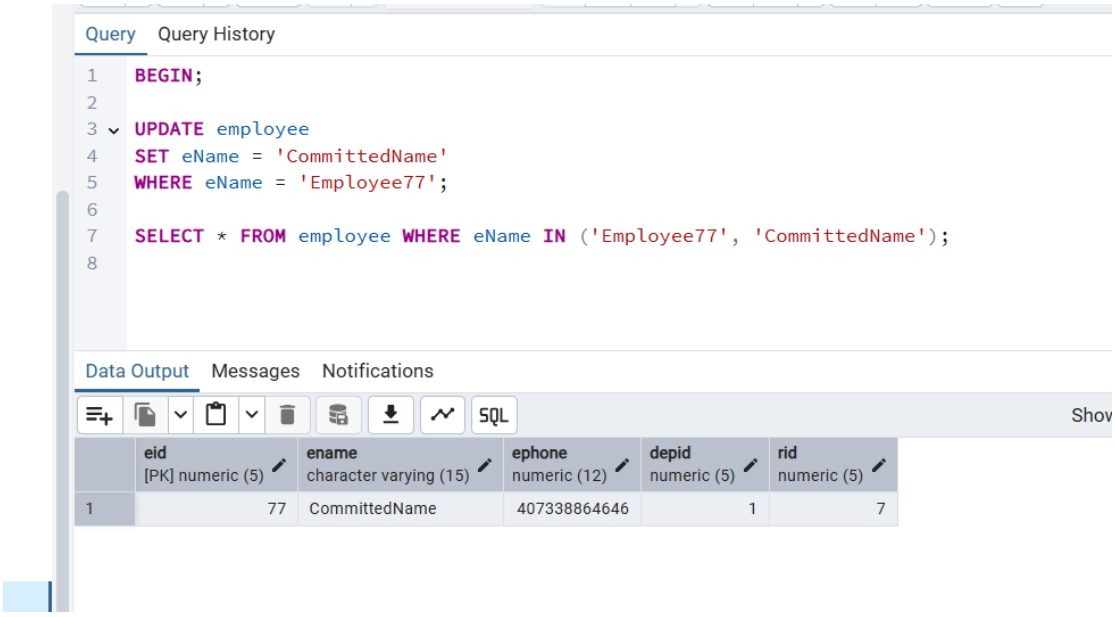
## ניתן לראות שהמצב שב לקדמותו:


No limit
Query
Query History
1 SELECT * FROM employee WHERE eName IN ('Employee77', 'TemporaryName');
2
Data Output
Messages
Notifications
SQL
eid [PK] numeric (5)
ename character varying (15)
ephone numeric (12)
depid numeric (5)
rid numeric (5)
1 77 Employee77 407338864646 1 7

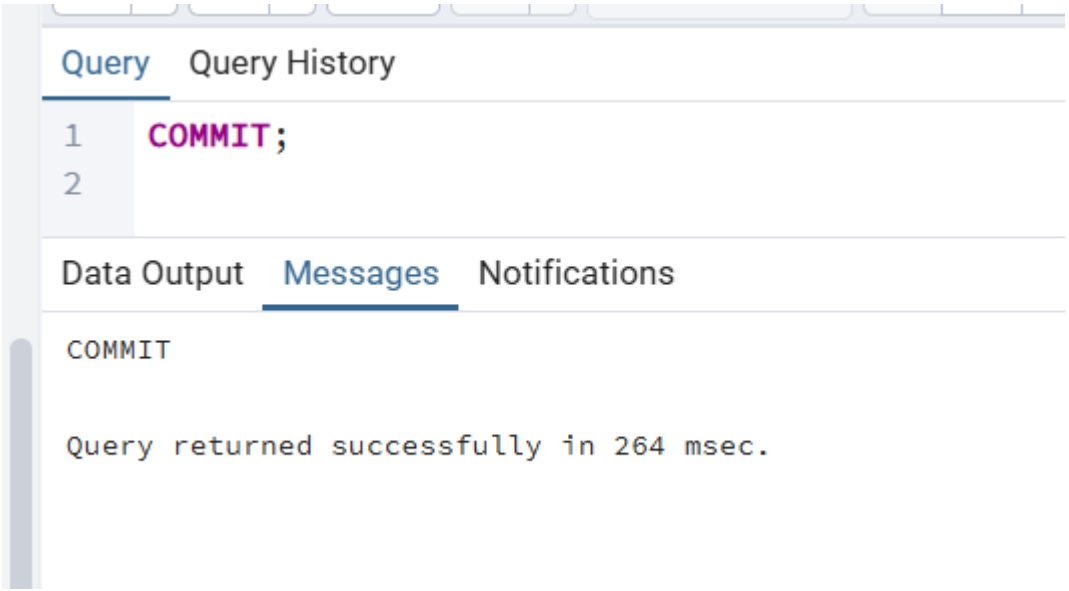
(2

לפני:

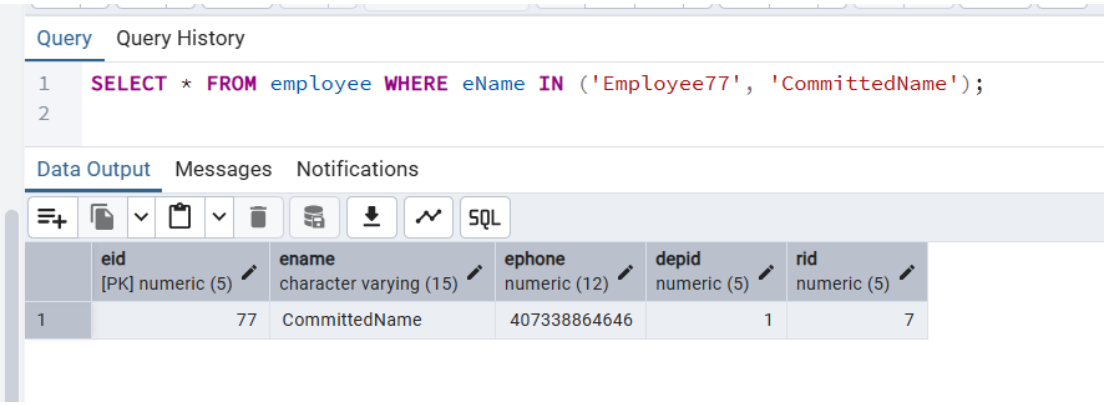

Query
Query History
1 SELECT * FROM employee WHERE eName = 'Employee77';
2
Data Output
Messages
Notifications
SQL
eid [PK] numeric (5)
ename character varying (15)
ephone numeric (12)
depid numeric (5)
rid numeric (5)
1 77 Employee77 407338864646 1 7


Query
Query History
1 BEGIN;
2
3 UPDATE employee
4 SET eName = 'CommittedName'
5 WHERE eName = 'Employee77';
6
7 SELECT * FROM employee WHERE eName IN ('Employee77', 'CommittedName');
8
Data Output
Messages
Notifications
SQL
eid [PK] numeric (5)
ename character varying (15)
ephone numeric (12)
depid numeric (5)
rid numeric (5)
1 77 CommittedName 407338864646 1 7

שמירה:


Query
Query History
1 COMMIT;
2
Data Output
Messages
Notifications
COMMIT
Query returned successfully in 264 msec.

אחרי:


Query
Query History
1 SELECT * FROM employee WHERE eName IN ('Employee77', 'CommittedName');
2
Data Output
Messages
Notifications
SQL
eid [PK] numeric (5)
ename character varying (15)
ephone numeric (12)
depid numeric (5)
rid numeric (5)
1 77 CommittedName 407338864646 1 7