

# LAB-9A

## 1. Creating table

The screenshot shows the DBeaver interface with the 'Extensions' tab selected in the left sidebar. The main window displays the 'Query' tab with the following SQL code:

```
11 CREATE TABLE  
12   
13 
```

The 'Messages' tab is active, showing the message: "Query returned successfully in 143 msec." The status bar at the bottom indicates "Total rows: 6 of 6" and "Query complete 00:00:00.143".

## 2. creating index

The screenshot shows the DBeaver interface with the 'Query' tab selected. The main window displays the following SQL code:

```
2 SELECT count(*)  
3 FROM meat_poultry_egg_inspect  
4 WHERE st IS NULL;
```

The 'Data Output' tab is active, showing the results of the query:

count
3

The status bar at the bottom indicates "Total rows: 1 of 1" and "Query complete 00:00:00.158".

## 3. Finding rows with missing state values

LAB1-B(1)/postgres@PostgreSQL 16

Query

```
1 SELECT est_number, company, city, st, zip
2 FROM meat_poultry_egg_inspect
3 WHERE st IS NULL;
```

Data Output

	est_number [PK] character varying (50)	company character varying (100)	city character varying (30)	st character varying (2)
1	V18677A	Atlas Inspection, Inc.	Blaine	[null]
2	M45319+P45319	Hall-Namie Packing Company, Inc	[null]	[null]
3	M263A+P263A+V263A	Jones Dairy Farm	[null]	[null]

Total rows: 3 of 3    Query complete 00:00:00.338    Ln 3, Col 18

## 4. count rows with missing state values

LAB1-B(1)/postgres@PostgreSQL 16

Query

```
1 SELECT count(*)
2 FROM meat_poultry_egg_inspect
3 WHERE st IS NULL;
```

Data Output

	count bigint
1	3

Successfully run. Total query runtime: 316 msec. 1 rows affected.

Total rows: 1 of 1    Query complete 00:00:00.316    Ln 3, Col 18

## 5. find and count inconsistent company names

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Query

```

2 FROM meat_poultry_egg_inspect
3 GROUP BY company
4 ORDER BY company_count DESC;

```

Execute script (F5)

Data Output

	company character varying (100)	company_count bigint
1	Tyson Foods, Inc.	33
2	Americold Logistics	21
3	Smithfield Farmland Corp.	19
4	Millard Refrigerated Services	16
5	Tyson Fresh Meats, Inc.	14

Total rows: 1000 of 5586 Query complete 00:00:00.398 Ln 4, Col 29

## 6.find and count companies with multiple establishments at the same address

LAB1-B(1)/postgres@PostgreSQL 16

Query

```

3 GROUP BY company, street, city, st
4 HAVING count(*) > 1
5 ORDER BY address_count DESC;

```

Data Output

	company character varying (100)	street character varying (100)	city character varying (30)
1	M.G. Waldbaum Company	120 Tower Street	Gaylord
2	Crider, Inc.	1 Plant Avenue	Stillmore
3	KB Poultry Processing LLC	15024 Sandstone Dr.	Utica
4	Crete Core Ingredients, LLC	2220 County Road I	Crete

Total rows: 23 of 23 Query complete 00:00:00.462 Ln 5, Col 29