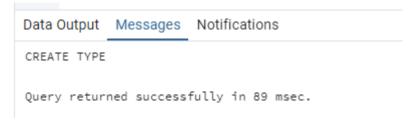
# **Step 1: Design SQL Tables**

## 1.1 Create the Voters Table



Data Output Messages Notifications

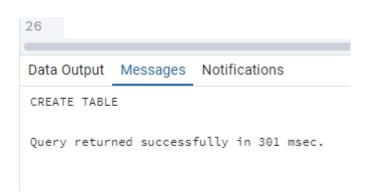
CREATE TABLE

Query returned successfully in 219 msec.

## **Importing CSV Files**

Data Output	Messages	Notifications
COPY 10000		
Query returned successfully in 273 msec.		

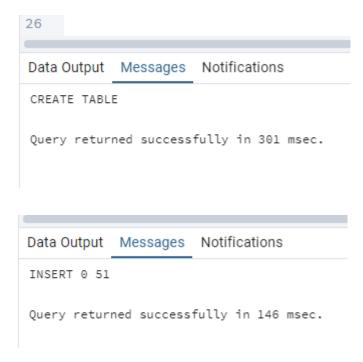
## **Create the Regions and StateStatus Tables**



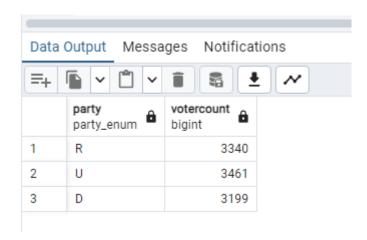
Data Output Messages Notifications

INSERT 0 49

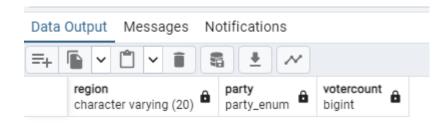
Query returned successfully in 314 msec.



1. How many voters are in the data set? How many are registered for each of the three categories: U, R, and D?



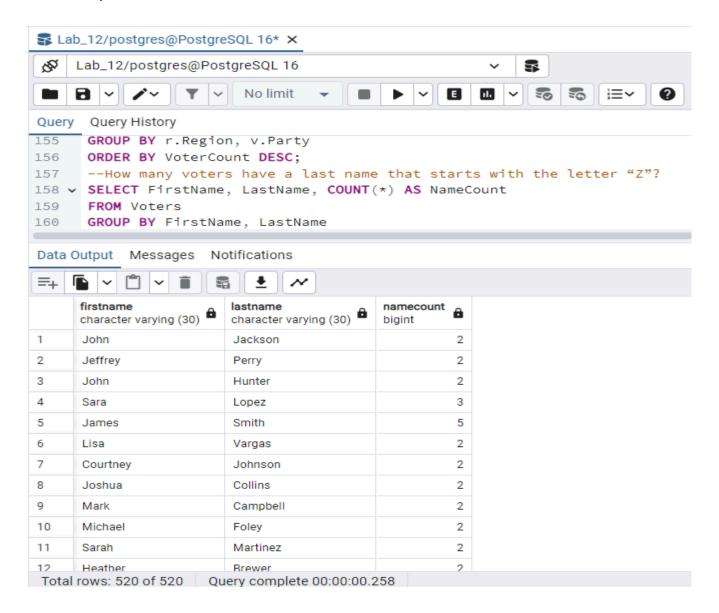
2. Which region has the most U, R, & D voters?



#### 3. How many voters share the same first and last names? What are these names?

```
L46 -- Number of voters by party
L47 v SELECT Party, COUNT(*) AS VoterCount
      FROM Voters
L48
      GROUP BY Party;
L49
L50
      --How many voters share the same first and
Data Output Messages Notifications
=+
     region
                                      votercount
                         party
     character varying (20)
                         party_enum
                                      bigint
```

## 4. How many voters have a last name that starts with the letter "Z"?



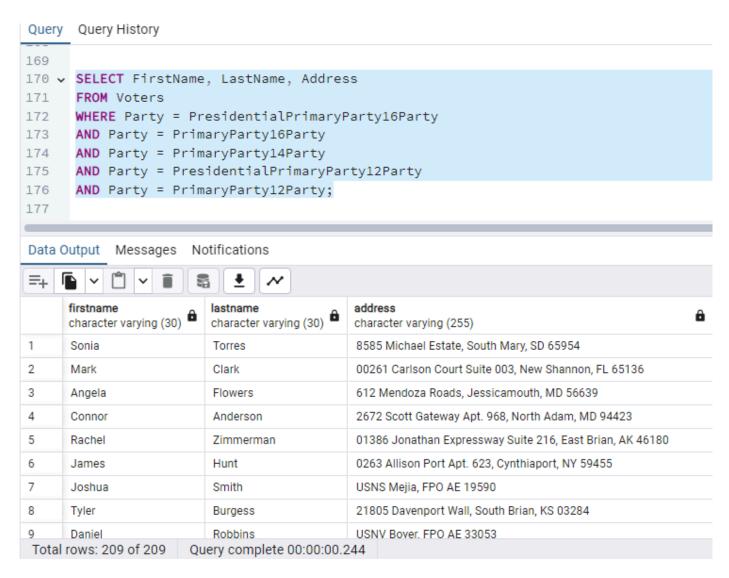
#### 5. Show the voters with the last names that start with Z by region.

```
SELECT v.FirstName, v.LastName, r.Region
FROM Voters v
JOIN Regions r ON SUBSTRING(v.Address FROM '.*, ([A-Z]{2}) .*') = r.State
WHERE v.LastName LIKE 'Z%';

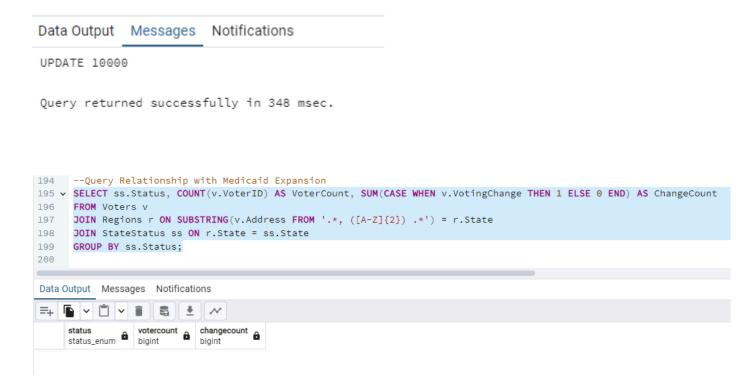
Output Messages Notifications

firstname
character varying (30) a lastname
character varying (30) a region
character varying (20) a character varying (20)
```

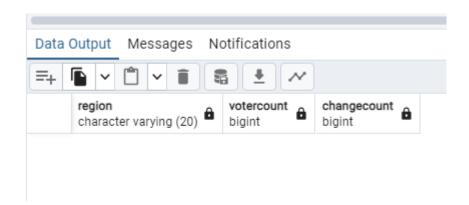
## 6. Identify the voters who voted the same way in every primary election



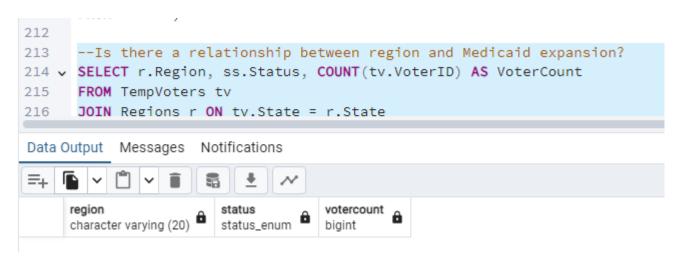
## 7. Does Medicaid expansion show a relationship with voting change?



## 8. Compare voting behavior (change/stay the same) by region



## 9.Is there a relationship between region and Medicaid expansion?



## 10. Produce a query showing voting behavior by zip code

