PSQL TP4 (CSV files)

Subject: PostgreSQL
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Create DB and Tables:

Question 01:

The following figure shows us the verification of the creations of tables and the database:

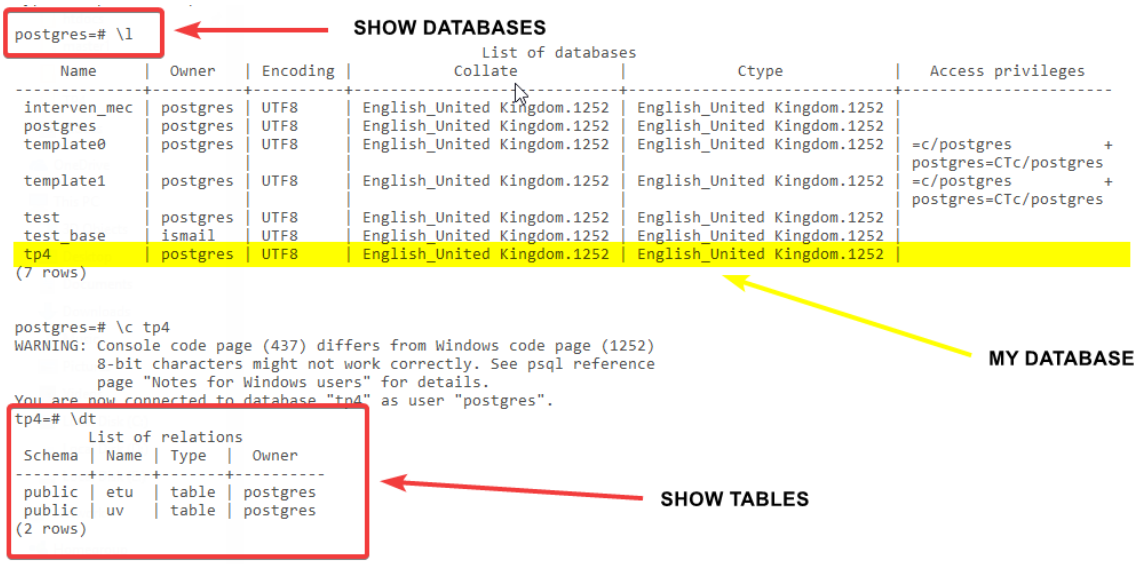

Figure 1 - Question 01

Question 02:

The following figure shows us the content of our ta bles:

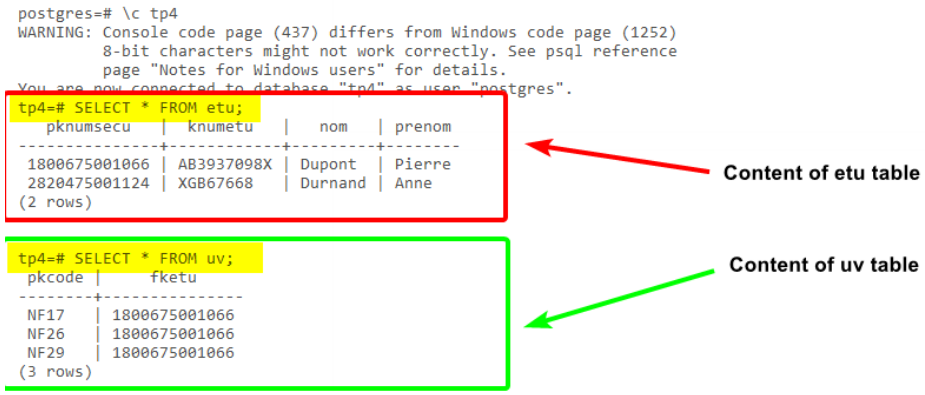

Figure 2 - Question 02

Import data from CSV files:

Question 01:

To clear tables of etu and uv we execute the following script:

```
DELETE FROM uv;
DELETE FROM etu;
```

Question 02:

We call them CSV because it's stands for **C**omma-**S**eparated **V**alues, and that mean is a delimited text file that uses a comma to separate values.

Question 03:

Complete the instructions to insert data from CSV files:

```
\copy etu (pknumsecu, knumetu, nom, prenom) FROM 'etus.csv' WITH CSV DELIMITER ';'
\copy uv (fketu, pkcode) FROM 'uvs.csv' WITH CSV DELIMITER ';'
```

And the Result is:

```
postgres=# \c tp4
WARNING: Console code page (437) differs from Windows code page (1252)
         8-bit characters might not work correctly. See psql reference
         page "Notes for Windows users" for details.
You are now connected to database "tp4" as user "postgres".
tp4=# \copy etu (pknumsecu, knumetu, nom, prenom) FROM 'etus.csv' WITH CSV DELIMITER ';'
COPY 5
tp4=# \copy uv (fketu, pkcode) FROM 'uvs.csv' WITH CSV DELIMITER ';'
COPY 30
tp4=#
```

Figure 3 - Question 03

Question 04:

1. The following figure shows us the script and the result of number of all uv followed by a etu:

```
tp4=# SELECT count(*) AS num_uvs FROM etu INNER JOIN uv ON pknumsecu = fketu WHERE knumetu = 'A';
 num_uvs
---------
       6
(1 row)
```

The Result

The Query

Figure 4 - Question 04_01

2. The following figure shows us the script and the result of number of all etu who subscribe in an uv:

```
tp4=# SELECT count(*) AS num_etus FROM uv INNER JOIN etu ON pknumsecu = fketu WHERE pkcode = 'NF17';
 num_etus
----------
        5
(1 row)
```

The Result

The Query

Figure 5 - Qusetion 04_02