

# DATABASE PROJECT: OFFICE SALES

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BRIGHT CODE

# STRUCTURE'S DIAGRAM OF DATABASE

NEXT DIAGRAM SHOW DATABASE'S STRUCTURE WICH WE TEAM IMPLEMENTED ALONGSIDE PROJECT.

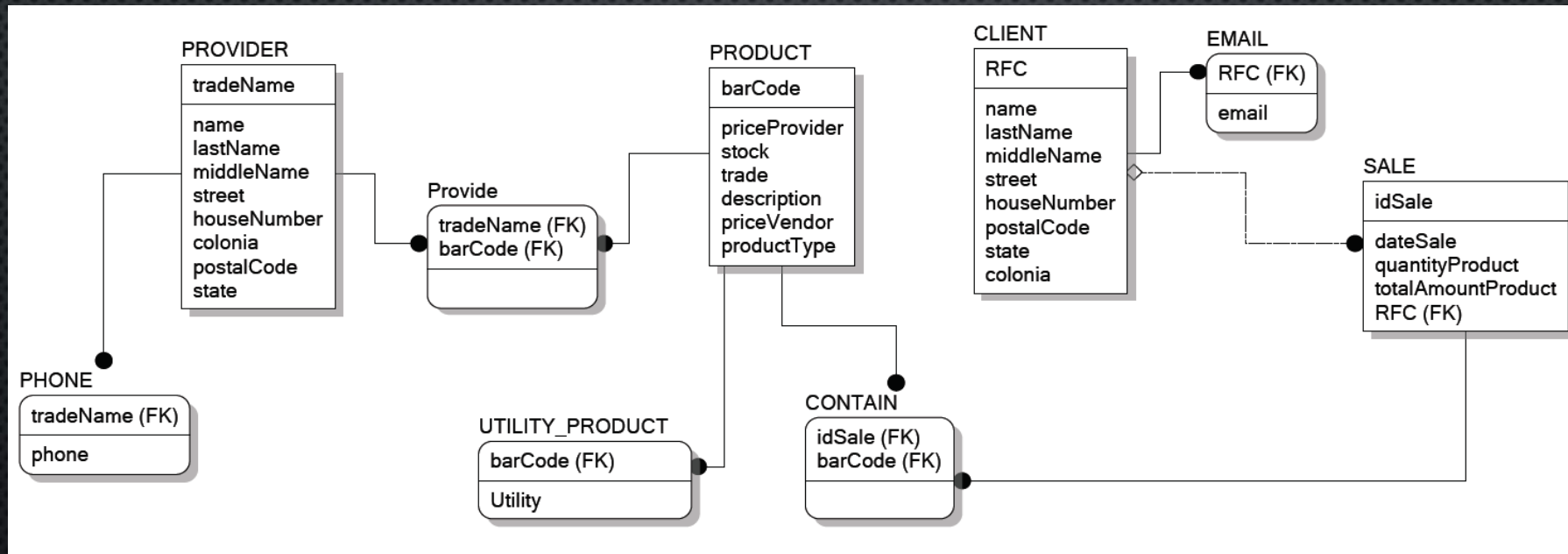
IN A SINGLE COMPUTER WE HAVE A CLIENT-SERVER'S DERIVATION FORM CAUSE THROUGH COMPUTER DATABSE AND WEB HAVE INTERACTION BETWEEN THEM.





# RELATION MODEL OF DATABASE

NEXT DIAGRAM SHOWS DATABASE'S RELATION MODEL ON SINGLE COMPUTER STRUCTURE WHICH WE HAVE IMPLEMENTED



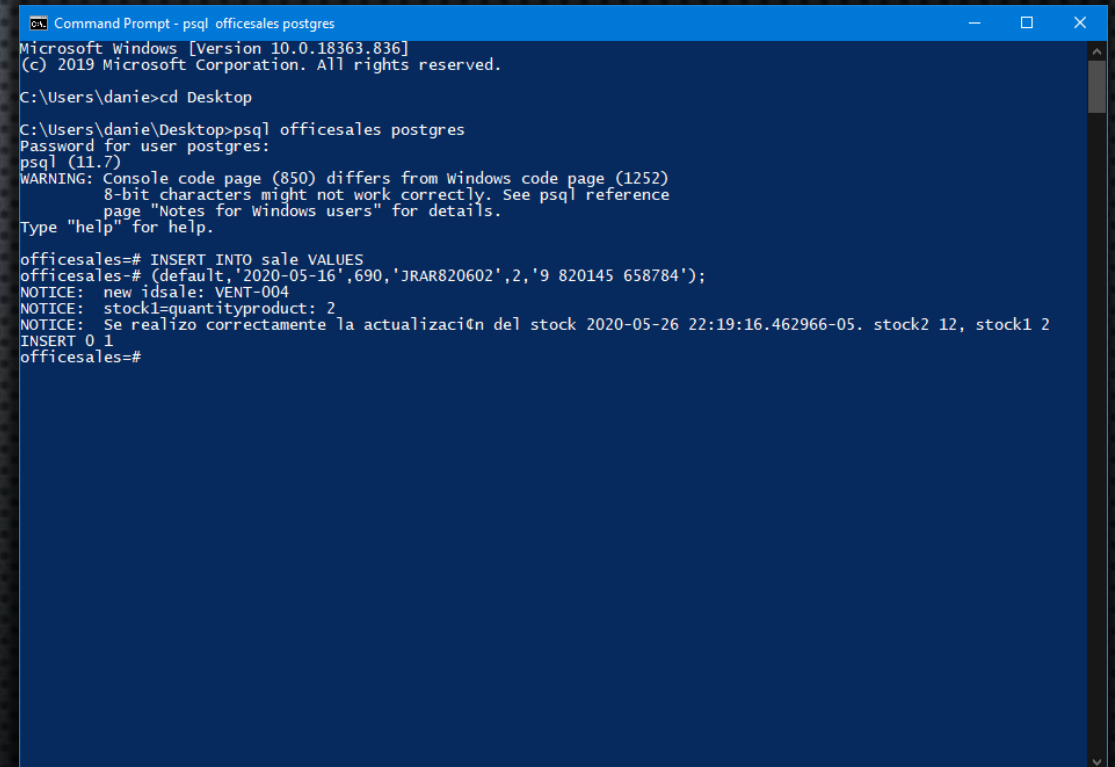
# UPDATE STOCK WHILE SALE'S INSERTION IS RUNNING

WHILE SALE'S INSERTION IS RUNNING, INSIDE OF EXECUTE TRIGGER AT MOMENT TO CHECK PRODUCT'S STOCK AND DEPENDING OF THEIR VALUE, EXECUTE SOME OF THREE OPTIONS:

STOCK IS LESS THAN THREE

STOCK IS GREATER THAN THREE

STOCK IS EQUAL TO ZERO



```
Command Prompt - psql officesales postgres
Microsoft Windows [Version 10.0.18363.836]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\danie>cd Desktop
C:\Users\danie\Desktop>psql officesales postgres
Password for user postgres:
psql (11.7)
WARNING: Console code page (850) differs from Windows code page (1252)
         8-bit characters might not work correctly. See psql reference
         page "Notes for Windows users" for details.
Type "help" for help.

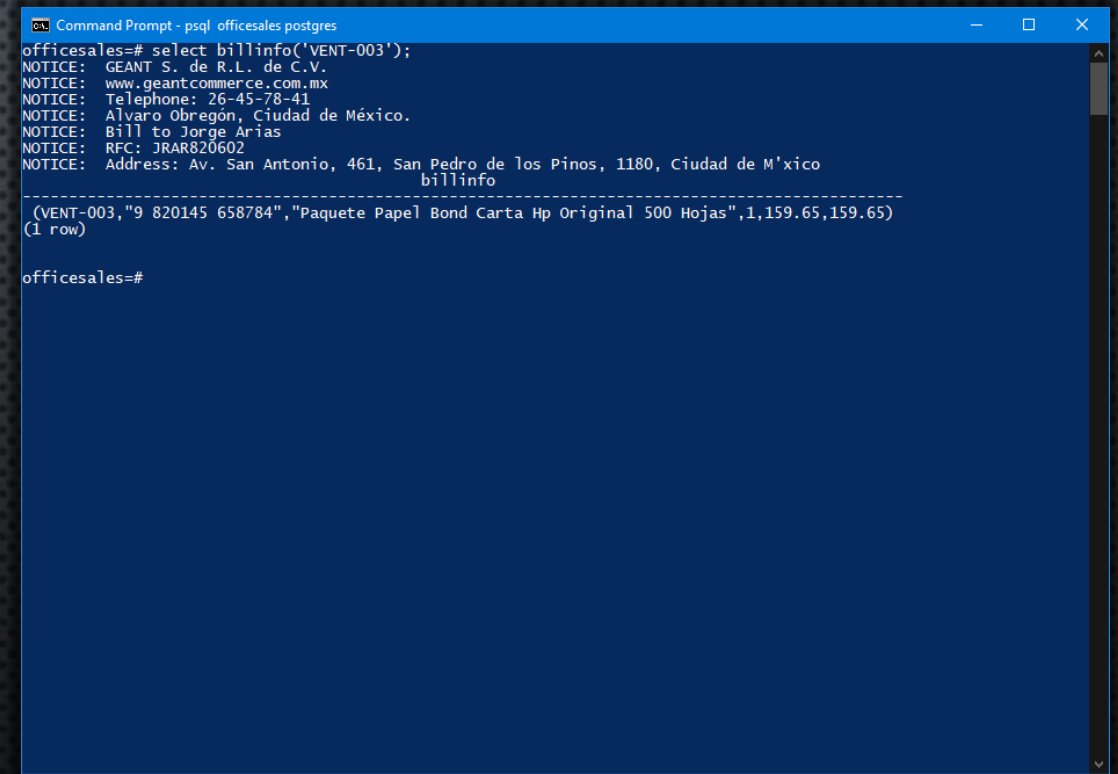
officesales=# INSERT INTO sale VALUES
officesales-# (default,'2020-05-16',690,'JRAR820602',2,'9 820145 658784');
NOTICE: new idsale: VENT-004
NOTICE: stock1=quantityproduct: 2
NOTICE: Se realizo correctamente la actualizaci4n del stock 2020-05-26 22:19:16.462966-05. stock2 12, stock1 2
INSERT 0 1
officesales=#
```



# GENERATING BILL'S INFORMATION BY EVERY SALE

DATABASE HAVE A FUNCTION WHICH GENERATES A BILL'S SAMPLE BY ANY SALE RECEIVING IDSALE AS PARAMETER.

BILL'S INFORMATION CONTAIN NAME, RFC, DATE, DIRECTION AND SALE'S RECORD.



```
Command Prompt - psql officesales postgres
officesales=# select billinfo('VENT-003');
NOTICE: GEANT S. de R.L. de C.V.
NOTICE: www.geantcommerce.com.mx
NOTICE: Telephone: 26-45-78-41
NOTICE: Alvaro Obregón, Ciudad de México.
NOTICE: Bill to Jorge Arias
NOTICE: RFC: JRAR820602
NOTICE: Address: Av. San Antonio, 461, San Pedro de los Pinos, 1180, Ciudad de M'xico
billinfo
-----
(VENT-003,"9 820145 658784", "Paquete Papel Bond Carta Hp Original 500 Hojas",1,159.65,159.65)
(1 row)

officesales=#
```

# SELL BY DATE

FOR THIS REQUIRIMENT WAS NECESSARY CRÉATE A FUNCTION WHO CAN PERMIT  
ASSIGN THE DATE OF PURCHASE

WE HAVE 4 VARIABLES AND 2 FUNCTION PARAMETERS , INSIDE THE BODY OF THE  
FUNCTION WE REALICE AN IF FOR THE PROCESS OF THE PURCHASE.

RETURN QUERY FOR OBTAIN THEWANTED VALUES.



```

2  CREATE OR REPLACE FUNCTION salesbydate(datestart date, dateend date)
3  RETURNS TABLE(
4      sale_identifier VARCHAR,
5      sale_date DATE,
6      sale_amount FLOAT,
7      rfc_sale VARCHAR)
8  AS $$
9  BEGIN
10     IF (dateend is null) THEN
11         RETURN QUERY SELECT
12             idsale,
13             datesale,
14             totalamountproduct,
15             rfc
16         FROM
17             sale
18         WHERE
19             datesale=datestart;
20     ELSE
21         RETURN QUERY SELECT
22             idsale,
23             datesale,
24             totalamountproduct,
25             rfc
26         FROM
27             sale
28         WHERE
29             datesale BETWEEN datestart and dateend
30         ORDER BY datesale;
31     END IF;
32 END; $$
33 LANGUAGE 'plpgsql';

```



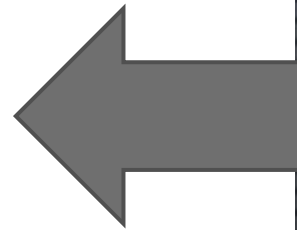
- SEEING WITH DETAIL THE PREVIOUSLY COMMENTED

# PRODUCT LES BY THREE

- REQUIRIMENT: RECIEVE ALL PRODUCTS WHO STOCK IS LES BY THREE.



```
1 CREATE OR REPLACE FUNCTION checkstock() RETURNS TABLE(  
2     barcode_checks VARCHAR,  
3     priceprovider_check FLOAT,  
4     stock_checks INTEGER,  
5     trade_checks VARCHAR,  
6     description_checks VARCHAR,  
7     pricevendor_check FLOAT,  
8     product_type VARCHAR  
9 )  
10 AS $$  
11 BEGIN  
12     RETURN QUERY SELECT  
13         barcode,  
14         priceprovider,  
15         stock,  
16         trade,  
17         description,  
18         pricevendor,  
19         producttype  
20     FROM  
21         product  
22     WHERE  
23         stock<3;  
24 END; $$  
25 LANGUAGE 'plpgsql';
```



Code of the previous  
requirement

CONNECTION AND WEB DESIGN



Code editor

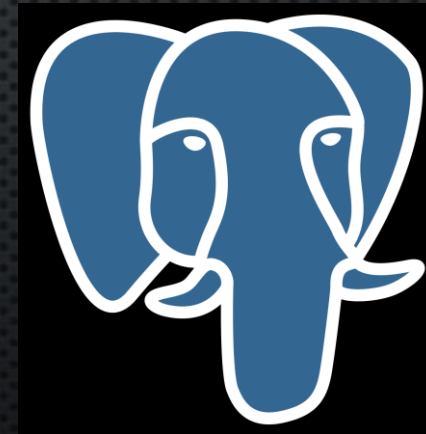


Web server

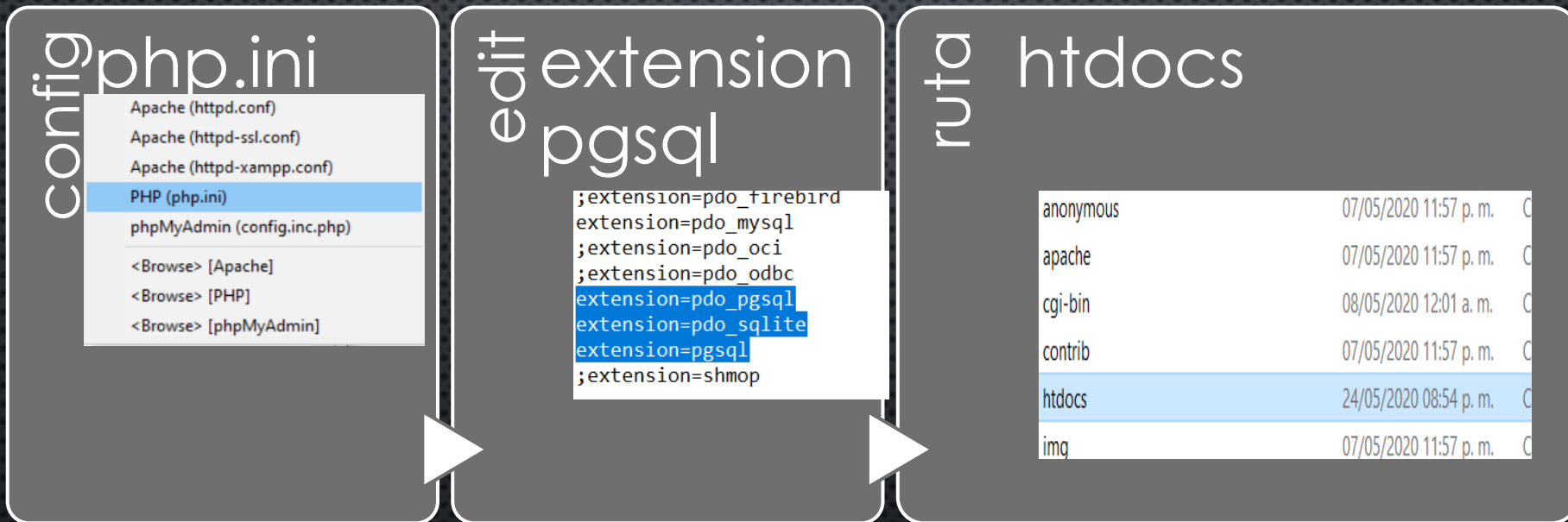


Database management  
system

Programming Language




# XAMPP CONFIGURATION






# IMPLEMENTATION: CONNECTION BETWEEN THE DATABASE AND THE WEB PAGE

```
// Conectando y seleccionado la base de datos
$dbconn = pg_connect("host=localhost dbname=publishing user=www password=foo")
or die('No se ha podido conectar: ' . pg_last_error());
```



```
// Realizando una consulta SQL
$query = 'SELECT * FROM authors';
$result = pg_query($query) or die('La consulta fallo: ' . pg_last_error());
```



```
// Imprimiendo los resultados en HTML
echo "<table>\n";
while ($line = pg_fetch_array($result, null, PGSQL_ASSOC)) {
    echo "\t<tr>\n";
    foreach ($line as $col_value) {
        echo "\t\t<td>$col_value</td>\n";
    }
    echo "\t</tr>\n";
}
echo "</table>\n";
```

# RESULT

localhost/origia/

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## Formulario registro

### Registrar

|           |        |       |
|-----------|--------|-------|
| omar      |        |       |
| hernandez |        |       |
| francisco |        |       |
| sauce     | 345677 | perla |
| 800899    | mexico |       |
| *****     |        |       |
| enviar    |        |       |

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# RESULT

