

MEMORIA DE LA PRÁCTICA 2

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CABECERAS DISEÑO FINAL

AUTOR (autor_name)

ESCRIBE (autor_name, título)

LIBRO (título)

EDICIÓN (titulo, formato, numpag, editorial, pubdate, idioma, isbn, precio)

APLICADO (oferta_id, isbn)

OFERTA (oferta_id, descuento, inicio, fin)

INCLUYE (isbn, order, precio)

VENTAS (order, uid, fecha)

CCARD (exp, ccardno)

FIDUSER (user_id, scrname, fullname, joined, borrado, ccardno)

REVISIÓN DE DISEÑO

Respecto al diseño de la práctica 1 tuvimos que realizar algunos cambios. Entre ellos, eliminar la columna “apellido” de la entidad “autor”, introducir una columna “formato” en “edición” que será de tipo char varying y que contendrá el formato de la edición (de bolsillo, tapa dura, tapa blanda...). En la relación “incluye” tuvimos que introducir una nueva columna que hiciese referencia al precio, ya que era la forma más sencilla de aplicar ofertas y consultar precios para nuestro diseño. En “venta” eliminamos las columnas “precio” y “ccard_num”. En “fiduser” introdujimos las columnas “scrname”, “fullname”, “joined” y “borrado”.

PUNTO IMPORTANTE: Será necesario llamar “practica2” a la base de datos para que funciones correctamente el ODBC.

Tras poblar las tablas con los comandos aportados en el .txt proporcionado pasaremos a probar las consultas:

Consulta 1:

The screenshot shows a database query tool window titled "Query - practica2 on alumnoDB@localhost:5432 *". The interface includes a menu bar (File, Edit, Query, Favourites, Macros, View, Help), a toolbar with various icons, and a main workspace divided into three panes: SQL Editor, Graphical Query Builder, and Scratch pad. The SQL Editor pane contains the following query:

```
SELECT COUNT(*)  
FROM EDICION AS E  
WHERE E.titulo = 'Cabo Trafalgar'
```

Below the SQL Editor is the Output pane, which has tabs for Data Output, Explain, Messages, and History. The Data Output tab is active, displaying a table with the results of the query:

	count bigint
1	2

At the bottom of the window, there is a status bar showing "OK.", "Unix", "Ln 3, Col 34, Ch 68", "1 row.", and "30 ms".

Query - practica2 on alumnodb@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries Delete Delete All

```
SELECT COUNT (E.Idioma)
FROM EDICION AS E
WHERE E.titulo = 'Cabo Trafalgar'
```

Scratch pad

Output pane

Data Output Explain Messages History

	count
	bigint
1	2

OK. Unix Ln 3, Col 34, Ch 76 1 row. 11 ms

Consulta 2:

The screenshot shows the pgAdmin interface with the title bar "pg_default". The main window is titled "Query - practica2 on alumnodb@localhost:5432 *". The menu bar includes File, Edit, Query, Favourites, Macros, View, and Help. The toolbar contains various icons for file operations, query execution, and window management. The "SQL Editor" tab is active, displaying the following SQL query:

```
SELECT COUNT(*)  
FROM incluye as I, edicion as E, escribe as ES  
WHERE I.isbn = E.isbn AND E.titulo = ES.titulo  
AND ES.autor_name = 'Adam Silver'
```

Below the SQL editor is the "Output pane" with tabs for Data Output, Explain, Messages, and History. The "Data Output" tab is selected, showing a table with the following data:

	count bigint
1	27

At the bottom of the interface, the status bar displays "OK.", "Unix", "Ln 5, Col 1, Ch 145", "1 row.", and "102 ms".

Consulta 3:

The screenshot shows a window titled "Query - practica2 on alumnodb@localhost:5432 *". The window has a menu bar (File, Edit, Query, Favourites, Macros, View, Help) and a toolbar with various icons. Below the toolbar, there are tabs for "SQL Editor" and "Graphical Query Builder". The "SQL Editor" tab is active, showing the following SQL query:

```
SELECT COUNT(*)
FROM incluye as I, edicion as E, escribe as ES,
     aplicado as A, ventas as V, oferta as O
WHERE I.isbn = E.isbn AND E.titulo = ES.titulo
AND ES.autor_name = 'Adam Silver' AND E.isbn = A.isbn
AND O.oferta_id = A.oferta_id AND V.order = I.order
AND V.fecha < O.fin AND V.fecha > O.inicio
```

Below the SQL editor, there is an "Output pane" with tabs for "Data Output", "Explain", "Messages", and "History". The "Data Output" tab is active, showing the following result:

	count bigint
1	0

At the bottom of the window, there is a status bar showing "OK.", "Unix", "Ln 5, Col 34, Ch 186", "1 row.", and "11 ms".

Consulta 4:

The screenshot shows a PostgreSQL query editor window titled "Query - practica2 on postgres@localhost:5432 *". The window has a toolbar with various icons for file operations, navigation, and execution. Below the toolbar, there are tabs for "SQL Editor" and "Graphical Query Builder". The "SQL Editor" tab is active, displaying a SQL query:

```
SELECT SUM(TE.precio)
FROM (SELECT I.precio, E.editorial
      FROM incluye as I, edicion as E
      WHERE I.isbn = E.isbn) as TE
WHERE TE.editorial = 'Cambridge University Press '
```

Below the query editor, there is an "Output pane" with tabs for "Data Output", "Explain", "Messages", and "History". The "Data Output" tab is active, showing the result of the query in a table format:

	sum double precision
1	6527.078999999998

At the bottom of the window, there is a status bar showing "OK.", "Unix Ln 1, Col 22, Ch 22", "1 row.", and "13 ms..."

Consulta 5:

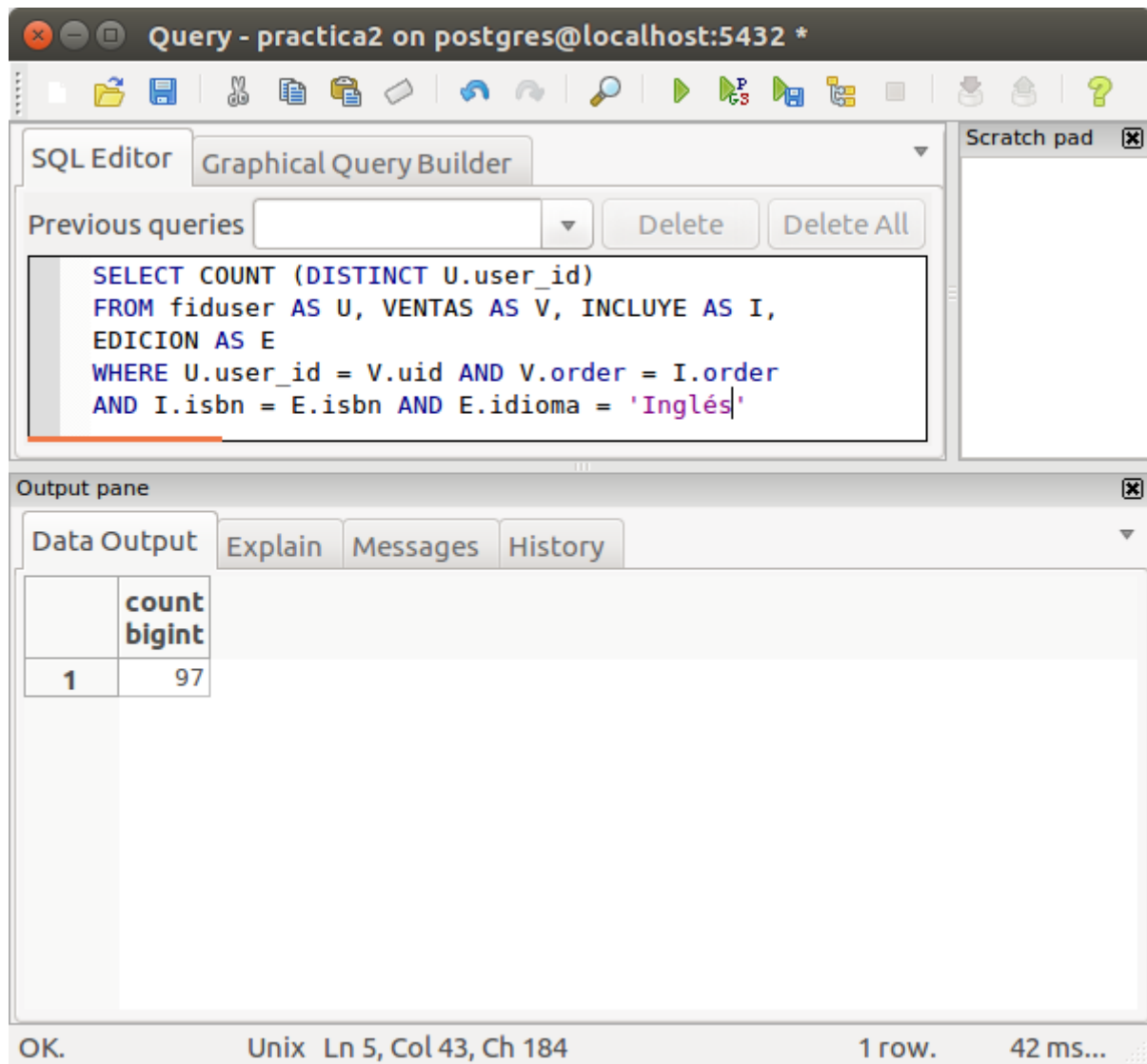
The screenshot shows a PostgreSQL query editor window titled "Query - practica2 on postgres@localhost:5432 *". The window has a toolbar with various icons for file operations, editing, and execution. Below the toolbar, there are tabs for "SQL Editor" and "Graphical Query Builder". The "SQL Editor" tab is active, showing a SQL query in a text area. Above the text area, there is a "Previous queries" dropdown menu and "Delete" and "Delete All" buttons. To the right of the SQL editor is a "Scratch pad" tab. Below the SQL editor is an "Output pane" with tabs for "Data Output", "Explain", "Messages", and "History". The "Data Output" tab is active, displaying a table with the results of the query. The table has two columns: "count" and "bigint". The first row shows a count of 1 and a bigint value of 24843. At the bottom of the window, there is a status bar showing "OK.", "Unix Ln 1, Col 1, Ch 1", "1 row.", and "22 ms..."

```
SELECT COUNT(*)
FROM incluye as I, ventas as V
WHERE V.uid <> 0 AND V.order = I.order
```

	count	bigint
1	24843	

OK. Unix Ln 1, Col 1, Ch 1 1 row. 22 ms...

Consulta 6:



The screenshot shows a PostgreSQL query editor window titled "Query - practica2 on postgres@localhost:5432 *". The window has a toolbar with various icons for file operations, editing, and execution. Below the toolbar, there are tabs for "SQL Editor" and "Graphical Query Builder". The "SQL Editor" tab is active, displaying a SQL query. To the right of the SQL editor is a "Scratch pad" tab. Below the SQL editor is an "Output pane" with tabs for "Data Output", "Explain", "Messages", and "History". The "Data Output" tab is active, showing a table with one row and two columns: "count" and "bigint". The table contains the value 97. At the bottom of the window, a status bar shows "OK.", "Unix Ln 5, Col 43, Ch 184", "1 row.", and "42 ms..."

```
SELECT COUNT (DISTINCT U.user_id)
FROM fiduser AS U, VENTAS AS V, INCLUYE AS I,
EDICION AS E
WHERE U.user_id = V.uid AND V.order = I.order
AND I.isbn = E.isbn AND E.idioma = 'Inglés'
```

	count	bigint
1	97	

OK. Unix Ln 5, Col 43, Ch 184 1 row. 42 ms...

Consulta 7:

The screenshot shows a PostgreSQL query editor window titled "Query - practica2 on postgres@localhost:5432 *". The window has a toolbar with various icons for file operations, query execution, and help. Below the toolbar, there are tabs for "SQL Editor" and "Graphical Query Builder". The "SQL Editor" tab is active, showing a SQL query in a text area. To the right of the text area is a "Previous queries" dropdown menu with "Delete" and "Delete All" buttons. Below the text area is an "Output pane" with tabs for "Data Output", "Explain", "Messages", and "History". The "Data Output" tab is active, displaying a table with the results of the query. The table has two columns: "sum" and "double precision". The first row of data shows the value "23535.008999999999". At the bottom of the window, a status bar displays "OK.", "Unix Ln 5, Col 28, Ch 143", "1 row.", and "13 ms..."

```
SELECT SUM(TE.precio)
FROM (SELECT I.precio, E.idioma
      FROM incluye as I, edicion as E
      WHERE I.isbn = E.isbn) as TE
WHERE TE.idioma = 'Francés'
```

	sum double precision
1	23535.008999999999

OK. Unix Ln 5, Col 28, Ch 143 1 row. 13 ms...

Consulta 8:

The screenshot shows a PostgreSQL query editor window titled "Query - practica2 on postgres@localhost:5432 *". The window has a toolbar with various icons for file operations, query execution, and help. Below the toolbar, there are two tabs: "SQL Editor" and "Graphical Query Builder". The "SQL Editor" tab is active, displaying a SQL query in a text area. To the right of the SQL editor is a "Scratch pad" tab. Below the SQL editor is an "Output pane" with four tabs: "Data Output", "Explain", "Messages", and "History". The "Data Output" tab is active, showing a table with two columns: "inicio date" and "fin date". The table is currently empty, indicating that the query returned 0 rows. At the bottom of the window, a status bar shows "OK.", "Unix Ln 3, Col 29, Ch 98", "0 rows.", and "13 ms...".

SQL Editor

Previous queries Delete Delete All

```
SELECT 0.inicio, 0.fin
FROM OFERTA AS 0, APLICADO AS A, EDICION AS E
WHERE E.editorial = 'Adelphi' AND A.isbn = E.isbn
AND A.oferta_id = 0.oferta_id
```

Scratch pad

Output pane

Data Output Explain Messages History

	inicio date	fin date
--	-------------	----------

OK. Unix Ln 3, Col 29, Ch 98 0 rows. 13 ms...

Consulta 9:

The screenshot shows a PostgreSQL query editor window titled "Query - practica2 on postgres@localhost:5432 *". The window has a toolbar with various icons for file operations, execution, and help. Below the toolbar, there are tabs for "SQL Editor" and "Graphical Query Builder". The "SQL Editor" tab is active, showing a SQL query. To the right of the SQL editor is a "Scratch pad" tab. Below the SQL editor is an "Output pane" with tabs for "Data Output", "Explain", "Messages", and "History". The "Data Output" tab is active, displaying a table with 6 rows and 2 columns: "user_id" (bigint) and an unnamed column. The table contains the following data:

	user_id bigint
1	12
2	20
3	633
4	2426
5	3051
6	3475

At the bottom of the window, a status bar shows "OK.", "Unix Ln 7, Col 22, Ch 189", "98 rows.", and "13 ms..."

```
SELECT U2.user_id
FROM fiduser AS U2
WHERE U2.user_id NOT IN (SELECT U1.user_id
FROM fiduser AS U1, VENTAS AS V,
INCLUYE AS I, EDICION AS E
WHERE U1.user_id = V.uid
AND V.order = I.order AND I.isbn = E.isbn
AND E.formato = 'De bolsillo')
```