

MEMORIA DE LA PRÁCTICA 2

José Ignacio Gómez García, Óscar Gómez Borzdynski

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”.

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

Consulta 1:

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(*)  
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 68 1 row. 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 a PostgreSQL query editor 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. The main area is divided into two tabs: "SQL Editor" (selected) and "Graphical Query Builder". Below the tabs, there is a "Previous queries" dropdown and buttons for "Delete" and "Delete All". The SQL Editor contains the following query:

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

To the right of the SQL Editor is a "Scratch pad" tab. Below the SQL Editor is the "Output pane", which has tabs for "Data Output" (selected), "Explain", "Messages", and "History". The "Data Output" tab shows a table with the following data:

	count
1	27

At the bottom of the window, there is a status bar with the following information: "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. Below the toolbar are tabs for "SQL Editor" and "Graphical Query Builder". The "SQL Editor" tab is active, showing a SQL query. To the right of the editor is a "Scratch pad" area. Below the editor is an "Output pane" with tabs for "Data Output", "Explain", "Messages", and "History". The "Data Output" tab is active, displaying a table with one row and two columns. The status bar at the bottom shows "OK.", "Unix", "Ln 5, Col 34, Ch 186", "1 row.", and "11 ms".

```
SELECT COUNT(*)
FROM include 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
```

	count bigint
1	0

OK. Unix Ln 5, Col 34, Ch 186 1 row. 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, 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. To the right of the text area are buttons for "Previous queries", "Delete", and "Delete All". Below the text area is a "Scratch pad" tab. The "Output pane" is located at the bottom of the window, 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 "6527.078999999998". The status bar at the bottom of the window displays "OK.", "Unix Ln 1, Col 22, Ch 22", "1 row.", and "13 ms..."

```
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 '
```

	sum double precision
1	6527.078999999998

OK. Unix Ln 1, Col 22, Ch 22 1 row. 13 ms...

Consulta 5:

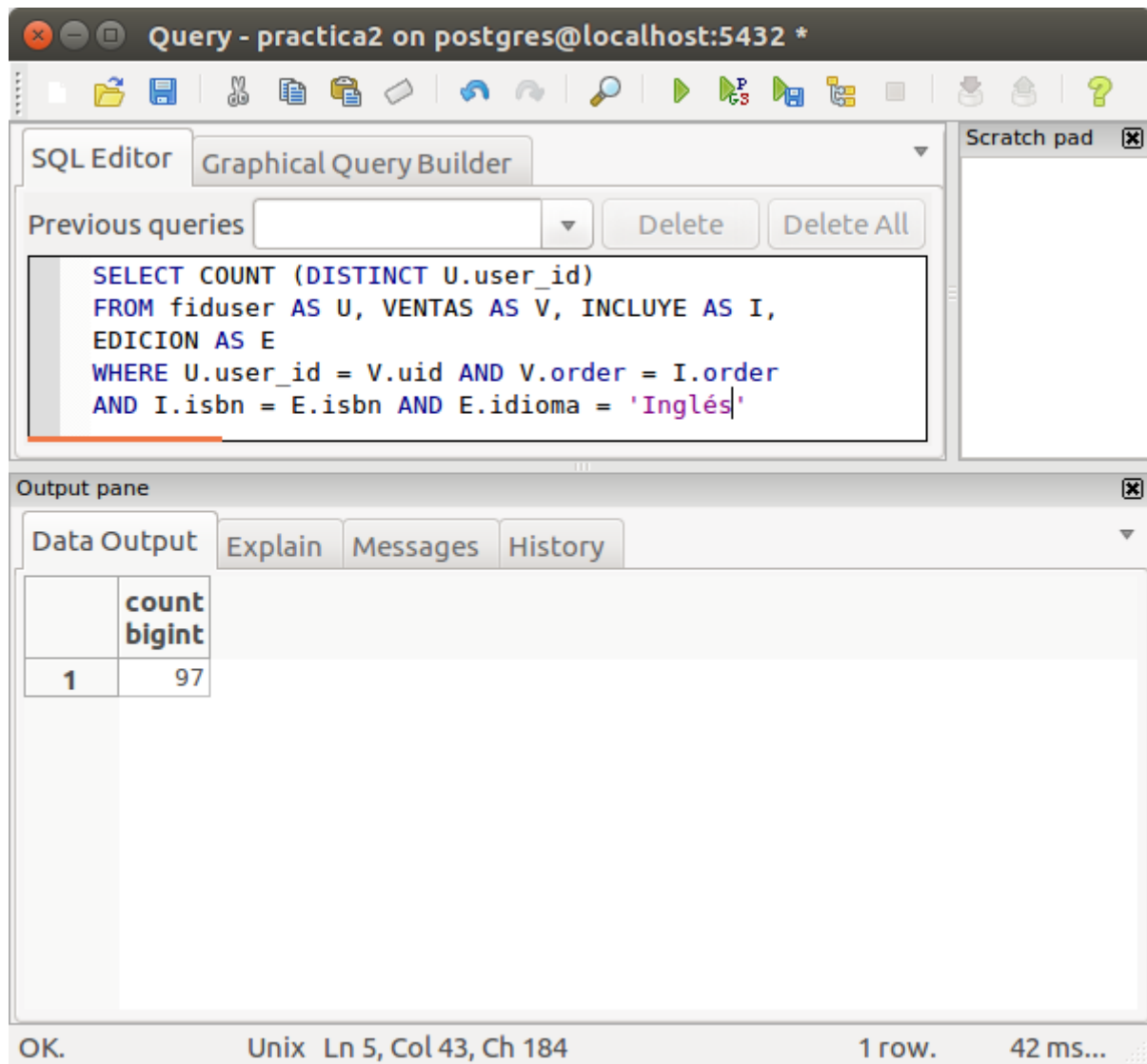
The screenshot shows a PostgreSQL query editor window titled "Query - practica2 on postgres@localhost:5432 *". The window has a toolbar with various icons for file operations, editing, and execution. Below the toolbar, there are tabs for "SQL Editor" and "Graphical Query Builder". The "SQL Editor" tab is active, showing a SQL query in a text area. To the right of the text area 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, showing a table with one row and two columns. The table has a header row with "count" and "bigint" and a data row with "1" and "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 include 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 the results of the query in a table format. The table has two columns: "count" and "bigint". The first row shows a count of 97 for the bigint value 1. The status bar at the bottom indicates "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 are buttons for "Previous queries", "Delete", and "Delete All". Below the text area is a "Scratch pad" tab. The "Output pane" is located at the bottom of the window, with tabs for "Data Output", "Explain", "Messages", and "History". The "Data Output" tab is active, displaying the results of the query in a table format. The table has two columns: "sum" and "double precision". The first row of data shows the value "23535.008999999999". The status bar at the bottom of the window 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 Graphical Query Builder

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')
```