



Universidad Tecnológica de Panamá
Facultad de Ingeniería de Sistemas Computacionales
BASE DE DATOS I
Laboratorio N° 3



DENOMINACIÓN DE LA ASIGNATURA:		BASES DE DATOS I		GRUPO:	VIL332
PROFESORA:	ING. MAYLIN CHÉRIGO	LABORATORIO N°: 3	Concatenar, Control de filas duplicadas, Ordenación y salida controlada.		
NOMBRE:	JOY NELATON	CÉDULA:	8-902-1282	FECHA:	MAYO 25 2021

A. TEMAS:

- I. Concatenar dos o más atributos (Operador +)
- II. Control de filas duplicadas (distinct)
- III. Salida ordenada ascendente o descendentemente (order by)
- IV. Salida controlada por cláusula Where

B. OBJETIVO(S):

- Realizar consultas con la cláusula Select, utilizando el operador de concatenación +, para visualizar la salida concatenada
- Utilizar la cláusula distinct en el select para omitir las filas duplicadas en una consulta
- Presentar salida ordenada con el uso de la cláusula order by en la sentencia select
- Controlar la salida de un select con el uso de la cláusula where.

C. INSTRUCCIONES:

- Entrega individual.
- No coloque una página de presentación al documento. Utilizar el documento actual como base.
- Coloque las referencias utilizadas.
- Transforme a formato PDF, con el nombre: Nombre.Apellido - Actividad #
- El trabajo debe ser entregado a través de la plataforma Campus Virtual UTP, en la sección asignada, en la hora y fecha asignada.

D. METODOLOGÍA:

Para presentar el informe de los resultados obtenidos, haga captura de pantalla desde el SQL Server mostrando el resultado de la consulta generada por la misma. Coloque además el código usado en forma de texto de forma directa y no como parte de la captura de pantalla.

Copie estas capturas de pantalla en la sección (RESULTADOS) de esta guía, en según el número mostrado en la sección (PROCEDIMIENTO). Corte y sólo presente el área de trabajo donde aparece el resultado obtenido, no incluya el explorador de

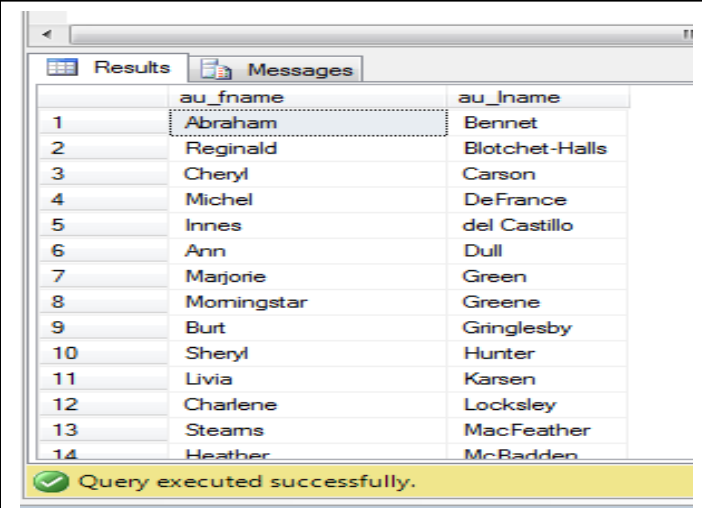
objetos, el menú de opciones ni la barra de herramientas estándar en su respuesta final.

E. PROCEDIMIENTO O ENUNCIADO DE LA EXPERIENCIA

Operador de Concatenación + y salida de literal ''

Muchas veces se desea que la salida se presente en un formato más elegante o legible para el usuario final. Note que al desplegar el nombre y el apellido de la tabla *Authors* de la BD *PUBS*, los campos se presentan como columnas.

```
select  au_fname,  
        au_lname  
from    authors
```



	au_fname	au_lname
1	Abraham	Bennet
2	Reginald	Blotchet-Halls
3	Cheryl	Carson
4	Michel	DeFrance
5	Innes	del Castillo
6	Ann	Dull
7	Marjorie	Green
8	Momingstar	Greene
9	Burt	Gringlesby
10	Sheryl	Hunter
11	Livia	Karsen
12	Charlene	Locksley
13	Steams	MacFeather
14	Heather	McBadden

Se puede lograr que estos dos campos se presenten como si hubieran sido almacenados como un nombre completo utilizando el operador de **concatenación +**, y además se puede **incluir entre comillas simple algún carácter**, en este caso un espacio en blanco, para que la salida no se visualice pegada.

El literal puede ser cualquier carácter, expresión o número, incluido entre las comillas.

```
select  au_fname + ' ' + au_lname 'Nombre Autor'  
from    authors
```

Literal Blanco adicionado para que no salga pegado el nombre y el apellido

El + es el operador que realiza la concatenación

Results		Messages
	Nombre Autor	
1	Abraham Bennet	
2	Reginald Blotchet-Halls	
3	Cheryl Carson	
4	Michel DeFrance	
5	Innes del Castillo	
6	Ann Dull	
7	Marjorie Green	

Note la diferencia en la salida. Ahora se despliega el nombre del autor como si estuviera almacenado como uno solo.

1. Utilizando la base de datos Northwind realice la consulta que produce como resultado la siguiente salida.

Results		Messages
	Empleado	
1	Nancy Davolio, Sales Representative	
2	Andrew Fuller, Vice President, Sales	
3	Janet Leverling, Sales Representative	
4	Margaret Peacock, Sales Representative	
5	Steven Buchanan, Sales Manager	
6	Michael Suyama, Sales Representative	
7	Robert King, Sales Representative	
8	Laura Callahan, Inside Sales Coordinator	
9	Anne Dodsworth, Sales Representative	

Utilice los campos **FirstName**, **LastName** y **Title** de la tabla **Employees**

Cláusula DISTINCT

Es frecuente que al usar la cláusula Select, se presenten filas repetidas.

2. Realice la siguiente consulta a la base de datos Northwind y muestre la salida:

```
select ContactTitle
from Customers
```

¿Qué puede notar que ocurre? Escriba sus comentarios.

3. Ahora adicione la clausula **DISTINCT** o **distinct** después del select

```
select distinct ContactTitle
from Customers
```

¿Qué ocurre? Imprima y comente sus resultados.

4. **Realice y muestre la siguiente consulta**

```
select ContactTitle, Country  
from Customers
```

Observe que hay salidas repetidas, ejemplo Owner Mexico y Owner Francia.
El **DISTINCT** puede aplicarse a multiples columnas, en cuyo caso:

5. **Muestre y Explique qué pasa al utilizar DISTINCT .**

```
select distinct ContactTitle, Country  
from Customers
```

Cláusula ORDER BY:

Permite ordenar los datos listados. No cambia el orden de estos en la BD.

<pre>SELECT [* ó columna ó grupo de columnas] FROM Nombre_Tabla ORDER BY columna [asc ó desc]</pre>

Si no se especifica asc ó desc, **asume ordenar ascendentemente**

6. **Usando la BD Northwind, realice la siguiente consulta**

```
select *  
from Employees
```

Note el orden de los datos en la columna LastName. **Muestre sus resultados**

7. **Ahora utilicemos la clausula ORDER BY para ordenar estos datos**

```
select *  
from Employees  
order by LastName
```

¿Qué le ocurrió a los datos? ¿Cómo se ordenaron?

8. **Ordene los datos del punto 7 de manera descendente utilizando el**

order by nombre_columna_a_ordenar desc
Anote sus resultados

9. Realice la consulta de todos los campos de la tabla Customers de la BD Northwind, pero muéstrela ordenada ascendentemente por ContactTitle

Active la base de datos PUBS

Ordenando por Posición:

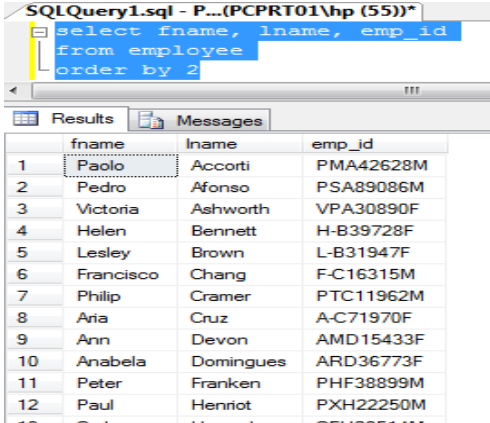
En el punto anterior se listaron los datos ordenados de acuerdo con alguna columna o columnas especificada(s).

SQL permite ordenar de acuerdo con la posición que ocupe el campo en la lista Select.

Ejemplo 1-

```
select fname, lname, emp_id
from employee
order by 2
```

Puede notar en la imagen que a pesar de que los datos en la base de datos se encuentran ordenados físicamente por fname, la consulta generada provoca que se ordene por el segundo atributo listado en la clausula select.

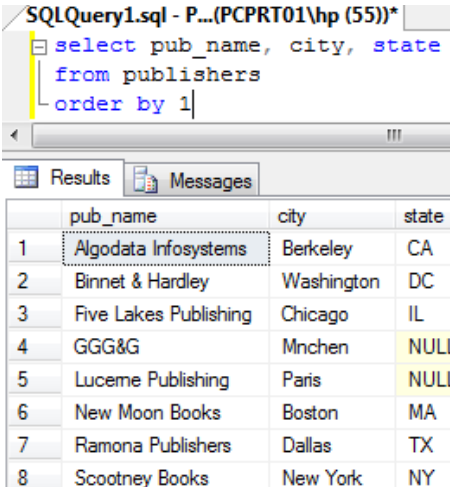


	fname	lname	emp_id
1	Paolo	Accorti	PMA42628M
2	Pedro	Afonso	PSA89086M
3	Victoria	Ashworth	VPA30890F
4	Helen	Bennett	H-B39728F
5	Lesley	Brown	L-B31947F
6	Francisco	Chang	F-C16315M
7	Philip	Cramer	PTC11962M
8	Aria	Cruz	A-C71970F
9	Ann	Devon	AMD15433F
10	Anabela	Domingues	ARD36773F
11	Peter	Franken	PHF38899M
12	Paul	Henriot	PXH22250M
13	Carlos	Hemadéz	CFH28514M

Ejemplo 2-

```
select pub_name, city, state
from publishers
order by 1
```

Note ahora que la salida está ordenada de acuerdo al primer campo listado, es decir pub_name.



	pub_name	city	state
1	Algodata Infosystems	Berkeley	CA
2	Binnet & Hardley	Washington	DC
3	Five Lakes Publishing	Chicago	IL
4	GGG&G	Mnchen	NULL
5	Luceme Publishing	Paris	NULL
6	New Moon Books	Boston	MA
7	Ramona Publishers	Dallas	TX
8	Scootney Books	New York	NY

10. Liste los atributos `job_id`, `job_desc` y `min_lvl` de la tabla `jobs` ordenados de acuerdo a la segunda posición. Muestre la consulta realizada y el resultado obtenido.

11. Ahora liste todos los atributos de la tabla `jobs` y aplique la ordenación por posición 2? Comente qué ocurre.

Ordenando por Varias Columnas:

Al hacer las consultas, se puede ordenar por más de una columna colocando seguido al `order by`, el orden de prioridad de la ordenación a realizar.

Note en este ejemplo en el que se ha ordenado sólo por la columna `stor_id`, el orden en que aparecen las dos primeras tuplas listadas.

Ahora al ordenar por dos campos, e incluir el `order by stor_id` y `qty`, el orden de estas se invierte

SQLQuery1.sql - P...(PCPRT01\hp (55))*

```
select * from sales
order by 1
```

	stor_id	ord_num	ord_date	qty	payterm
1	6380	6871	1994-09-14 00:00:00.000	5	Net 60
2	6380	722a	1994-09-13 00:00:00.000	3	Net 60
3	7066	A2976	1993-05-24 00:00:00.000	50	Net 30
4	7066	QA7442.3	1994-09-13 00:00:00.000	75	ON inv

SQLQuery1.sql - P...(PCPRT01\hp (55))*

```
select * from sales
order by 1, 4
```

	stor_id	ord_num	ord_date	qty	payterm
1	6380	722a	1994-09-13 00:00:00.000	3	Net 60
2	6380	6871	1994-09-14 00:00:00.000	5	Net 60
3	7066	A2976	1993-05-24 00:00:00.000	50	Net 30
4	7066	QA7442.3	1994-09-13 00:00:00.000	75	ON inv

12. Realice la consulta de la tabla `roysched` ordenando por el atributo `title_id` y `hirange`. Haga esto usando la ordenación por posición.

13. Realice dos consultas ordenadas por más de una columna. Muestre sus resultados. Seleccione los campos y tablas que desee para tal fin.

Limitando la Selección de Columnas:

Se pueden restringir los resultados a través de la cláusula WHERE. Esta cláusula contiene una condición que debe cumplirse.

El formato es el siguiente

SELECT	expresión
FROM	tabla
WHERE	condición (es)
[Order by]	

Los operadores de condición se dividen en dos categorías: Operadores Lógicos y Operadores del SQL.

Veamos primero los operadores lógicos:

Operador Lógico	Significado
=	Igual que
<	Menor
<=	Menor e igual
>	Mayor
>=	Mayor e igual

14. Liste todos los campos de la tabla roysched. Muestre sus resultados.

15. Ahora realice la siguiente consulta

```
select * from roysched
where title_id = 'BU1032'
```

Sólo se omite la comilla si el dato es numérico

¿Qué se obtiene?

16. Muestre los resultados de las consultas que le permiten obtener los datos de un hirange mayor que 7000.

17. Muestre los resultados de las consultas que le permiten obtener los datos de un hirange menor que 5000

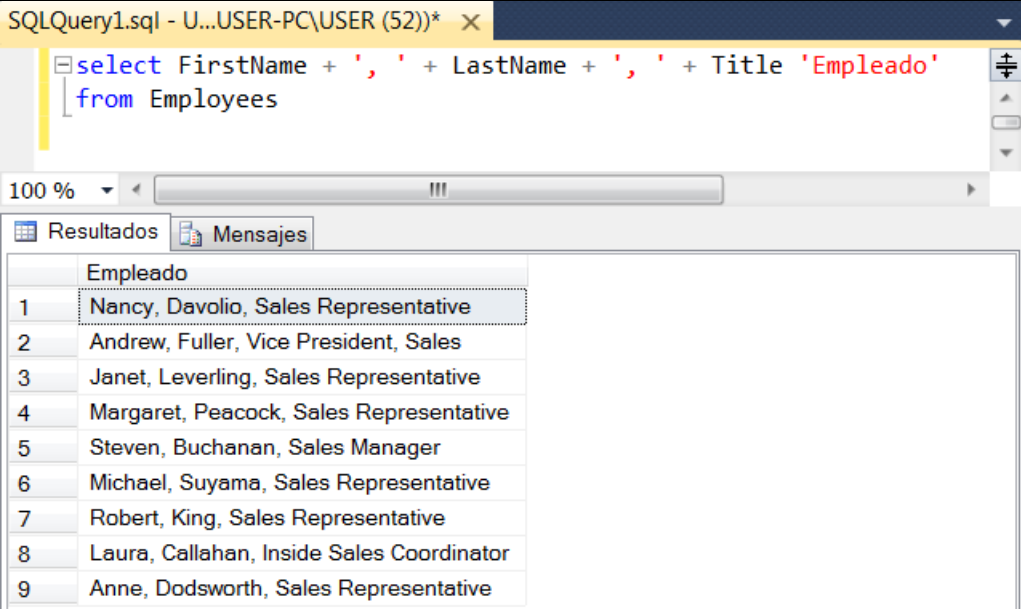
18. Muestre los resultados de las consultas que le permiten obtener los datos de un hirange mayor e igual a 12000

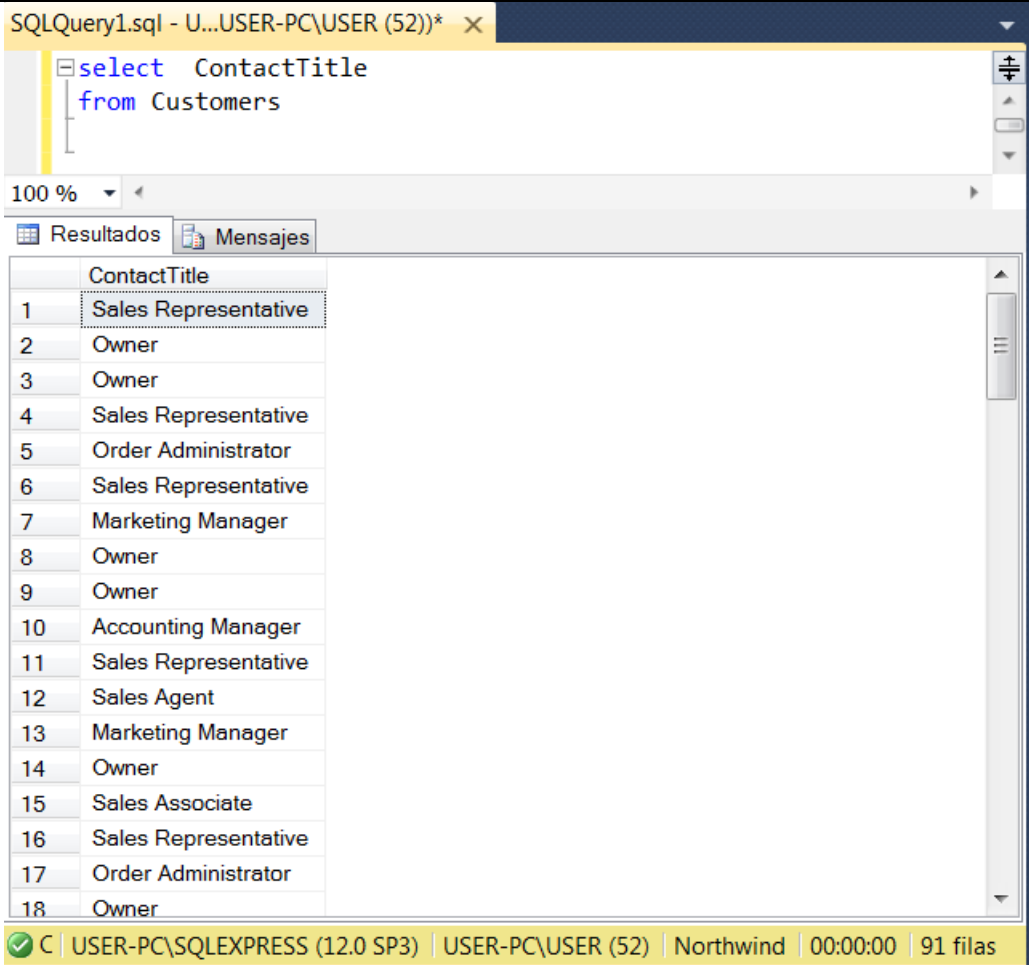
19. Muestre los resultados de las consultas que le permiten obtener los datos de un hirange menor e igual a 2000.

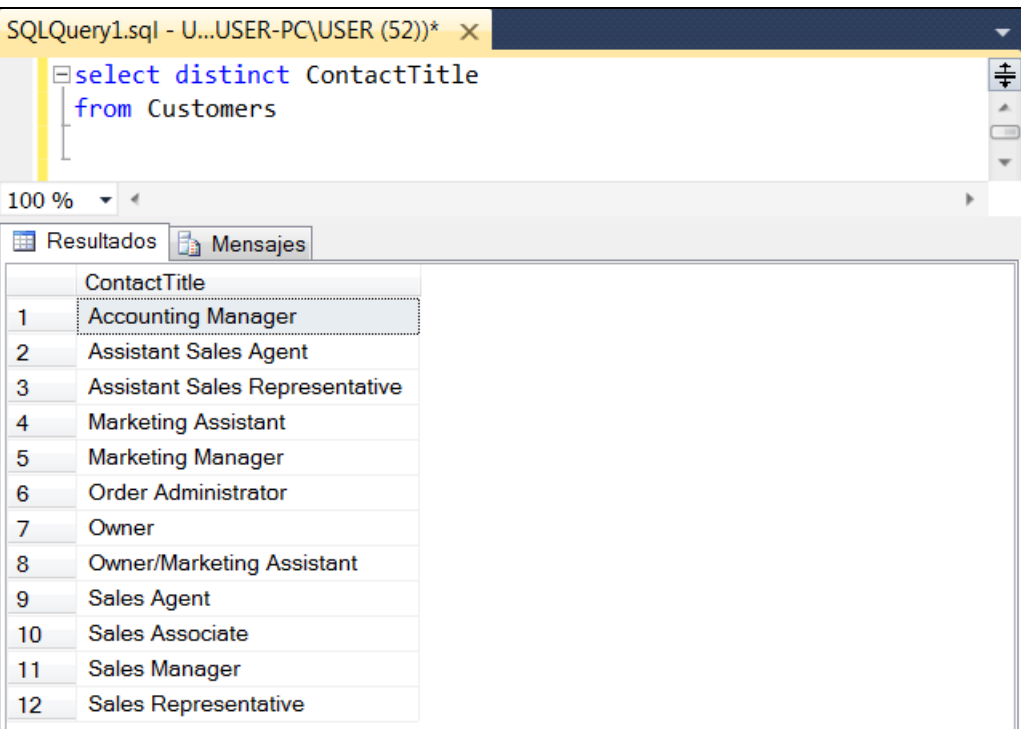
F. RESULTADOS:

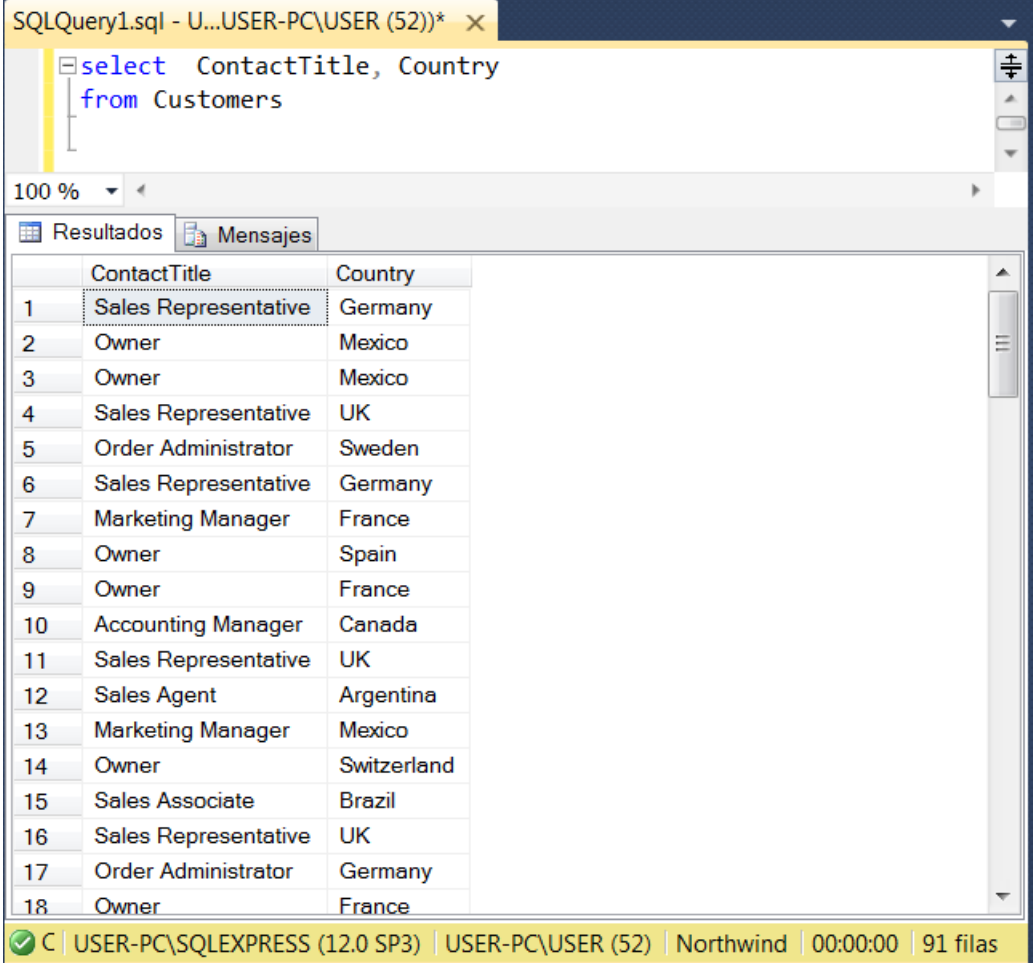
En esta sección Usted colocara las capturas de pantalla que muestran los resultados de los procesos realizados en el punto anterior.

En el caso de preguntas con respuestas escritas, las mismas deben colocarse abajo

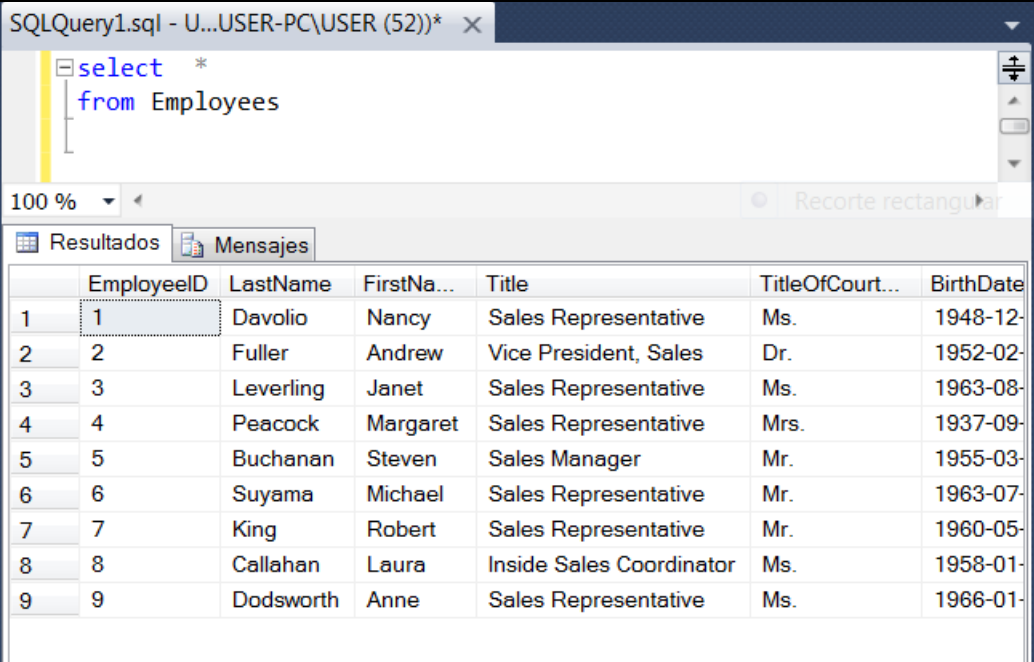
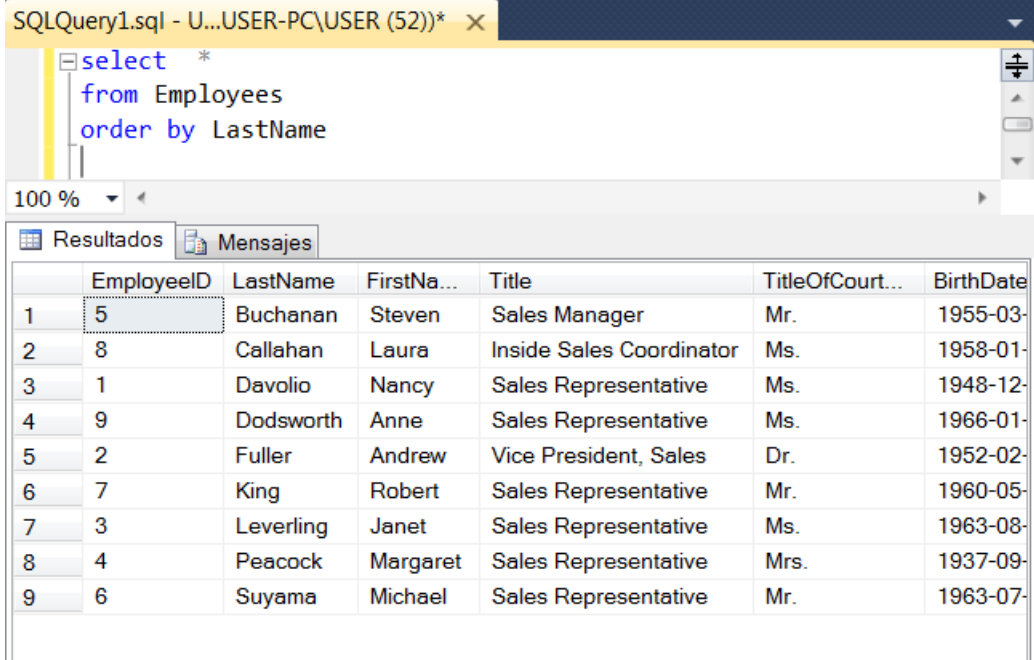
Enunciado	Resultado	Pto.																				
Utilizando la base de datos <u>Northwind</u> realice la consulta que produce como resultado de la tabla Employee FirstName +LastName, Title	 <pre>SQLQuery1.sql - U...USER-PC\USER (52))* X select FirstName + ', ' + LastName + ', ' + Title 'Empleado' from Employees</pre> <table><thead><tr><th></th><th>Empleado</th></tr></thead><tbody><tr><td>1</td><td>Nancy, Davolio, Sales Representative</td></tr><tr><td>2</td><td>Andrew, Fuller, Vice President, Sales</td></tr><tr><td>3</td><td>Janet, Leverling, Sales Representative</td></tr><tr><td>4</td><td>Margaret, Peacock, Sales Representative</td></tr><tr><td>5</td><td>Steven, Buchanan, Sales Manager</td></tr><tr><td>6</td><td>Michael, Suyama, Sales Representative</td></tr><tr><td>7</td><td>Robert, King, Sales Representative</td></tr><tr><td>8</td><td>Laura, Callahan, Inside Sales Coordinator</td></tr><tr><td>9</td><td>Anne, Dodsworth, Sales Representative</td></tr></tbody></table>		Empleado	1	Nancy, Davolio, Sales Representative	2	Andrew, Fuller, Vice President, Sales	3	Janet, Leverling, Sales Representative	4	Margaret, Peacock, Sales Representative	5	Steven, Buchanan, Sales Manager	6	Michael, Suyama, Sales Representative	7	Robert, King, Sales Representative	8	Laura, Callahan, Inside Sales Coordinator	9	Anne, Dodsworth, Sales Representative	4
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2 <pre>select ContactTitle from Customers</pre>	 <p>SQLQuery1.sql - U...USER-PC\USER (52))* x</p> <pre>select ContactTitle from Customers</pre> <p>100 %</p> <p>Resultados Mensajes</p> <table><thead><tr><th></th><th>ContactTitle</th></tr></thead><tbody><tr><td>1</td><td>Sales Representative</td></tr><tr><td>2</td><td>Owner</td></tr><tr><td>3</td><td>Owner</td></tr><tr><td>4</td><td>Sales Representative</td></tr><tr><td>5</td><td>Order Administrator</td></tr><tr><td>6</td><td>Sales Representative</td></tr><tr><td>7</td><td>Marketing Manager</td></tr><tr><td>8</td><td>Owner</td></tr><tr><td>9</td><td>Owner</td></tr><tr><td>10</td><td>Accounting Manager</td></tr><tr><td>11</td><td>Sales Representative</td></tr><tr><td>12</td><td>Sales Agent</td></tr><tr><td>13</td><td>Marketing Manager</td></tr><tr><td>14</td><td>Owner</td></tr><tr><td>15</td><td>Sales Associate</td></tr><tr><td>16</td><td>Sales Representative</td></tr><tr><td>17</td><td>Order Administrator</td></tr><tr><td>18</td><td>Owner</td></tr></tbody></table> <p>✓ C USER-PC\SQLEXPRESS (12.0 SP3) USER-PC\USER (52) Northwind 00:00:00 91 filas</p> <p>Aparecen todos los títulos asociados a los clientes, por ende, hay títulos repetidos.</p>		ContactTitle	1	Sales Representative	2	Owner	3	Owner	4	Sales Representative	5	Order Administrator	6	Sales Representative	7	Marketing Manager	8	Owner	9	Owner	10	Accounting Manager	11	Sales Representative	12	Sales Agent	13	Marketing Manager	14	Owner	15	Sales Associate	16	Sales Representative	17	Order Administrator	18	Owner	4
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<p>¿Qué ocurre? Comente sus resultados:</p>	<p>El comando distinct impide que se repitan los resultados, ya que busca los valores posibles, mas no asocia directamente cada cargo con cada cliente.</p>																											

Enunciado	Resultado	Pto.																																																									
<p>4</p> <pre>select ContactTitle, Country from Customers</pre> <p>Observe que hay salidas repetidas</p>	 <p>SQLQuery1.sql - U...USER-PC\USER (52))* x</p> <pre>select ContactTitle, Country from Customers</pre> <p>100 %</p> <p>Resultados Mensajes</p> <table border="1"> <thead> <tr> <th></th><th>ContactTitle</th><th>Country</th></tr> </thead> <tbody> <tr><td>1</td><td>Sales Representative</td><td>Germany</td></tr> <tr><td>2</td><td>Owner</td><td>Mexico</td></tr> <tr><td>3</td><td>Owner</td><td>Mexico</td></tr> <tr><td>4</td><td>Sales Representative</td><td>UK</td></tr> <tr><td>5</td><td>Order Administrator</td><td>Sweden</td></tr> <tr><td>6</td><td>Sales Representative</td><td>Germany</td></tr> <tr><td>7</td><td>Marketing Manager</td><td>France</td></tr> <tr><td>8</td><td>Owner</td><td>Spain</td></tr> <tr><td>9</td><td>Owner</td><td>France</td></tr> <tr><td>10</td><td>Accounting Manager</td><td>Canada</td></tr> <tr><td>11</td><td>Sales Representative</td><td>UK</td></tr> <tr><td>12</td><td>Sales Agent</td><td>Argentina</td></tr> <tr><td>13</td><td>Marketing Manager</td><td>Mexico</td></tr> <tr><td>14</td><td>Owner</td><td>Switzerland</td></tr> <tr><td>15</td><td>Sales Associate</td><td>Brazil</td></tr> <tr><td>16</td><td>Sales Representative</td><td>UK</td></tr> <tr><td>17</td><td>Order Administrator</td><td>Germany</td></tr> <tr><td>18</td><td>Owner</td><td>France</td></tr> </tbody> </table> <p>✓ C USER-PC\SQLEXPRESS (12.0 SP3) USER-PC\USER (52) Northwind 00:00:00 91 filas</p>		ContactTitle	Country	1	Sales Representative	Germany	2	Owner	Mexico	3	Owner	Mexico	4	Sales Representative	UK	5	Order Administrator	Sweden	6	Sales Representative	Germany	7	Marketing Manager	France	8	Owner	Spain	9	Owner	France	10	Accounting Manager	Canada	11	Sales Representative	UK	12	Sales Agent	Argentina	13	Marketing Manager	Mexico	14	Owner	Switzerland	15	Sales Associate	Brazil	16	Sales Representative	UK	17	Order Administrator	Germany	18	Owner	France	<p>4</p>
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<p>Ahora liste todos los atributos de la tabla jobs utilizando la forma abreviada y aplique la ordenación por posición 2.</p>	<div><div>SQLQuery3.sql - U...USER-PC\USER (52))*</div><div><pre>select * from dbo.jobs order by job_desc asc</pre></div><div>100 %</div><div>Resultados Mensajes</div><table><thead><tr><th></th><th>job_id</th><th>job_desc</th><th>min_lvl</th><th>max_lvl</th></tr></thead><tbody><tr><td>1</td><td>9</td><td>Acquisitions Manager</td><td>75</td><td>175</td></tr><tr><td>2</td><td>3</td><td>Business Operations Manager</td><td>175</td><td>225</td></tr><tr><td>3</td><td>2</td><td>Chief Executive Officer</td><td>200</td><td>250</td></tr><tr><td>4</td><td>4</td><td>Chief Financial Officer</td><td>175</td><td>250</td></tr><tr><td>5</td><td>14</td><td>Designer</td><td>25</td><td>100</td></tr><tr><td>6</td><td>12</td><td>Editor</td><td>25</td><td>100</td></tr><tr><td>7</td><td>6</td><td>Managing Editor</td><td>140</td><td>225</td></tr><tr><td>8</td><td>7</td><td>Marketing Manager</td><td>120</td><td>200</td></tr><tr><td>9</td><td>1</td><td>New Hire - Job not specified</td><td>10</td><td>10</td></tr><tr><td>10</td><td>11</td><td>Operations Manager</td><td>75</td><td>150</td></tr><tr><td>11</td><td>10</td><td>Productions Manager</td><td>75</td><td>165</td></tr><tr><td>12</td><td>8</td><td>Public Relations Manager</td><td>100</td><td>175</td></tr><tr><td>13</td><td>5</td><td>Publisher</td><td>150</td><td>250</td></tr><tr><td>14</td><td>13</td><td>Sales Representative</td><td>25</td><td>100</td></tr></tbody></table></div>		job_id	job_desc	min_lvl	max_lvl	1	9	Acquisitions Manager	75	175	2	3	Business Operations Manager	175	225	3	2	Chief Executive Officer	200	250	4	4	Chief Financial Officer	175	250	5	14	Designer	25	100	6	12	Editor	25	100	7	6	Managing Editor	140	225	8	7	Marketing Manager	120	200	9	1	New Hire - Job not specified	10	10	10	11	Operations Manager	75	150	11	10	Productions Manager	75	165	12	8	Public Relations Manager	100	175	13	5	Publisher	150	250	14	13	Sales Representative	25	100	4
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¿Qué ocurre?	El orden establecido en el apartado 10 se mantiene, solo se agrega el atributo max_level.																																																																												

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<p>Realice la consulta de la tabla roysched ordenando por el atributo title_id y hirange. Haga esto usando la ordenación por posición.</p>	<div>SQLQuery4.sql - U...USER-PC\USER (52))*</div> <pre>select * from dbo.roysched order by title_id asc, hirange asc</pre> <div>100 %</div> <div>Resultados Mensajes</div> <table><thead><tr><th></th><th>title_id</th><th>loran...</th><th>hirange</th><th>roya...</th></tr></thead><tbody><tr><td>1</td><td>BU1032</td><td>0</td><td>5000</td><td>10</td></tr><tr><td>2</td><td>BU1032</td><td>5001</td><td>50000</td><td>12</td></tr><tr><td>3</td><td>BU1111</td><td>0</td><td>4000</td><td>10</td></tr><tr><td>4</td><td>BU1111</td><td>4001</td><td>8000</td><td>12</td></tr><tr><td>5</td><td>BU1111</td><td>8001</td><td>10000</td><td>14</td></tr><tr><td>6</td><td>BU1111</td><td>12001</td><td>16000</td><td>16</td></tr><tr><td>7</td><td>BU1111</td><td>16001</td><td>20000</td><td>18</td></tr><tr><td>8</td><td>BU1111</td><td>20001</td><td>24000</td><td>20</td></tr><tr><td>9</td><td>BU1111</td><td>24001</td><td>28000</td><td>22</td></tr><tr><td>10</td><td>BU1111</td><td>28001</td><td>50000</td><td>24</td></tr><tr><td>11</td><td>BU2075</td><td>0</td><td>1000</td><td>10</td></tr><tr><td>12</td><td>BU2075</td><td>1001</td><td>3000</td><td>12</td></tr><tr><td>13</td><td>BU2075</td><td>3001</td><td>5000</td><td>14</td></tr><tr><td>14</td><td>BU2075</td><td>5001</td><td>7000</td><td>16</td></tr><tr><td>15</td><td>BU2075</td><td>7001</td><td>10000</td><td>18</td></tr><tr><td>16</td><td>BU2075</td><td>10001</td><td>12000</td><td>20</td></tr><tr><td>17</td><td>BU2075</td><td>12001</td><td>14000</td><td>22</td></tr></tbody></table> <div>Consulta ejec... USER-PC\SQLEXPRESS (12.0 SP3) USER-PC\USER (52) pubs 00:00:00 86 filas</div>		title_id	loran...	hirange	roya...	1	BU1032	0	5000	10	2	BU1032	5001	50000	12	3	BU1111	0	4000	10	4	BU1111	4001	8000	12	5	BU1111	8001	10000	14	6	BU1111	12001	16000	16	7	BU1111	16001	20000	18	8	BU1111	20001	24000	20	9	BU1111	24001	28000	22	10	BU1111	28001	50000	24	11	BU2075	0	1000	10	12	BU2075	1001	3000	12	13	BU2075	3001	5000	14	14	BU2075	5001	7000	16	15	BU2075	7001	10000	18	16	BU2075	10001	12000	20	17	BU2075	12001	14000	22	4
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<p>Realice dos consultas ordenadas por más de una columna. Muestre sus resultados. Seleccione los campos y tablas que desee para tal fin.</p>	<div data-bbox="418 237 1547 1203"> <p>SQLQuery5.sql - U...USER-PC\USER (52))*</p> <pre> select [QuantityPerUnit], [UnitPrice] from Products order by [QuantityPerUnit] asc,[UnitPrice] asc </pre> <p>100 %</p> <p>Resultados Mensajes</p> <table border="1"> <thead> <tr> <th></th><th>QuantityPerUnit</th><th>UnitPrice</th></tr> </thead> <tbody> <tr><td>1</td><td>1 kg pkg.</td><td>21,00</td></tr> <tr><td>2</td><td>10 - 200 g glasses</td><td>25,89</td></tr> <tr><td>3</td><td>10 - 4 oz boxes</td><td>9,50</td></tr> <tr><td>4</td><td>10 - 500 g pkgs.</td><td>21,50</td></tr> <tr><td>5</td><td>10 - 500 g pkgs.</td><td>38,00</td></tr> <tr><td>6</td><td>10 boxes x 12 pieces</td><td>9,20</td></tr> <tr><td>7</td><td>10 boxes x 20 bags</td><td>18,00</td></tr> <tr><td>8</td><td>10 boxes x 8 pieces</td><td>12,50</td></tr> <tr><td>9</td><td>10 kg pkg.</td><td>36,00</td></tr> <tr><td>10</td><td>10 pkgs.</td><td>12,75</td></tr> <tr><td>11</td><td>100 - 100 g pieces</td><td>43,90</td></tr> <tr><td>12</td><td>100 - 250 g bags</td><td>31,23</td></tr> <tr><td>13</td><td>12 - 1 lb pkgs.</td><td>30,00</td></tr> <tr><td>14</td><td>12 - 100 g bars</td><td>16,25</td></tr> <tr><td>15</td><td>12 - 100 g pkgs</td><td>12,50</td></tr> <tr><td>16</td><td>12 - 12 oz cans</td><td>9,65</td></tr> </tbody> </table> <p>Consulta... USER-PC\SQLEXPRESS (12.0 SP3) USER-PC\USER (52) Northwind 00:00:00 77 filas</p> </div> <div data-bbox="418 1255 1547 1808"> <p>SQLQuery6.sql - U...USER-PC\USER (52))*</p> <pre> select [stor_name], [city] from dbo.stores order by [stor_name] desc, [city] desc </pre> <p>100 %</p> <p>Resultados Mensajes</p> <table border="1"> <thead> <tr> <th></th><th>stor_name</th><th>city</th></tr> </thead> <tbody> <tr><td>1</td><td>News & Brews</td><td>Los Gatos</td></tr> <tr><td>2</td><td>Fricative Bookshop</td><td>Fremont</td></tr> <tr><td>3</td><td>Eric the Read Books</td><td>Seattle</td></tr> <tr><td>4</td><td>Doc-U-Mat: Quality Laundry and Books</td><td>Remulade</td></tr> <tr><td>5</td><td>Bookbeat</td><td>Portland</td></tr> <tr><td>6</td><td>Barnum's</td><td>Tustin</td></tr> </tbody> </table> </div>		QuantityPerUnit	UnitPrice	1	1 kg pkg.	21,00	2	10 - 200 g glasses	25,89	3	10 - 4 oz boxes	9,50	4	10 - 500 g pkgs.	21,50	5	10 - 500 g pkgs.	38,00	6	10 boxes x 12 pieces	9,20	7	10 boxes x 20 bags	18,00	8	10 boxes x 8 pieces	12,50	9	10 kg pkg.	36,00	10	10 pkgs.	12,75	11	100 - 100 g pieces	43,90	12	100 - 250 g bags	31,23	13	12 - 1 lb pkgs.	30,00	14	12 - 100 g bars	16,25	15	12 - 100 g pkgs	12,50	16	12 - 12 oz cans	9,65		stor_name	city	1	News & Brews	Los Gatos	2	Fricative Bookshop	Fremont	3	Eric the Read Books	Seattle	4	Doc-U-Mat: Quality Laundry and Books	Remulade	5	Bookbeat	Portland	6	Barnum's	Tustin	8
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<div>5</div> <div>Ahora realice la siguiente consulta <code>select * from roysched where title_id = 'BU1032'</code> Sólo se omite la comilla si el dato es numérico</div>	<div><div>SQLQuery7.sql - U...USER-PC\USER (52))*</div><div><pre>select * from dbo.roysched where title_id='BU1032'</pre></div><div>100 %</div><div><div>Resultados</div><div>Mensajes</div><table><thead><tr><th></th><th>title_id</th><th>lorange</th><th>hiran...</th><th>royalty</th></tr></thead><tbody><tr><td>1</td><td>BU1032</td><td>0</td><td>5000</td><td>10</td></tr><tr><td>2</td><td>BU1032</td><td>5001</td><td>50000</td><td>12</td></tr></tbody></table></div></div>		title_id	lorange	hiran...	royalty	1	BU1032	0	5000	10	2	BU1032	5001	50000	12	<div>4</div>																																			
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<p>Muestre los resultados de las consultas que le permiten obtener los datos de un hiranje menor que 5000</p>	<div>SQLQuery7.sql - U...USER-PC\USER (52))*</div> <pre>select * from dbo.roysched where hiranje <5000 order by hiranje desc</pre> <div>100 %</div> <div>Resultados Mensajes</div> <table><thead><tr><th></th><th>title_id</th><th>loran...</th><th>hiran...</th><th>roya...</th></tr></thead><tbody><tr><td>1</td><td>PC1035</td><td>3001</td><td>4000</td><td>14</td></tr><tr><td>2</td><td>MC3021</td><td>2001</td><td>4000</td><td>14</td></tr><tr><td>3</td><td>TC3218</td><td>2001</td><td>4000</td><td>12</td></tr><tr><td>4</td><td>BU1111</td><td>0</td><td>4000</td><td>10</td></tr><tr><td>5</td><td>MC2222</td><td>2001</td><td>4000</td><td>12</td></tr><tr><td>6</td><td>PC1035</td><td>2001</td><td>3000</td><td>12</td></tr><tr><td>7</td><td>BU2075</td><td>1001</td><td>3000</td><td>12</td></tr><tr><td>8</td><td>PS2106</td><td>0</td><td>2000</td><td>10</td></tr><tr><td>9</td><td>PC1035</td><td>0</td><td>2000</td><td>10</td></tr><tr><td>10</td><td>TC4203</td><td>0</td><td>2000</td><td>10</td></tr><tr><td>11</td><td>MC3021</td><td>1001</td><td>2000</td><td>12</td></tr><tr><td>12</td><td>MC2222</td><td>0</td><td>2000</td><td>10</td></tr><tr><td>13</td><td>TC3218</td><td>0</td><td>2000</td><td>10</td></tr><tr><td>14</td><td>BU2075</td><td>0</td><td>1000</td><td>10</td></tr><tr><td>15</td><td>MC3021</td><td>0</td><td>1000</td><td>10</td></tr><tr><td>16</td><td>PS2091</td><td>0</td><td>1000</td><td>10</td></tr></tbody></table> <div>Consulta ejec... USER-PC\SQLEXPRESS (12.0 SP3) USER-PC\USER (52) pubs 00:00:00 16 filas</div>		title_id	loran...	hiran...	roya...	1	PC1035	3001	4000	14	2	MC3021	2001	4000	14	3	TC3218	2001	4000	12	4	BU1111	0	4000	10	5	MC2222	2001	4000	12	6	PC1035	2001	3000	12	7	BU2075	1001	3000	12	8	PS2106	0	2000	10	9	PC1035	0	2000	10	10	TC4203	0	2000	10	11	MC3021	1001	2000	12	12	MC2222	0	2000	10	13	TC3218	0	2000	10	14	BU2075	0	1000	10	15	MC3021	0	1000	10	16	PS2091	0	1000	10	4
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Enunciado	Resultado	Pto.																																																																																					
<div data-bbox="40 604 324 774"> Muestre los resultados de las consultas que le permiten obtener los datos de un hiranage mayor e igual a 12000 </div>	<div data-bbox="389 224 1510 1169"> <div>SQLQuery7.sql - U...USER-PC\USER (52))*</div> <pre> select * from dbo.roysched where hiranage >=12000 order by hiranage asc </pre> <div>100 %</div> <div>Resultados Mensajes</div> <table> <thead> <tr> <th></th><th>title_id</th><th>loran...</th><th>hiran...</th><th>roya...</th></tr> </thead> <tbody> <tr><td>1</td><td>BU2075</td><td>10001</td><td>12000</td><td>20</td></tr> <tr><td>2</td><td>MC3021</td><td>10001</td><td>12000</td><td>22</td></tr> <tr><td>3</td><td>TC3218</td><td>10001</td><td>12000</td><td>20</td></tr> <tr><td>4</td><td>MC2222</td><td>8001</td><td>12000</td><td>16</td></tr> <tr><td>5</td><td>TC3218</td><td>12001</td><td>14000</td><td>22</td></tr> <tr><td>6</td><td>BU2075</td><td>12001</td><td>14000</td><td>22</td></tr> <tr><td>7</td><td>PC8888</td><td>10001</td><td>15000</td><td>14</td></tr> <tr><td>8</td><td>PS3333</td><td>10001</td><td>15000</td><td>14</td></tr> <tr><td>9</td><td>BU7832</td><td>10001</td><td>15000</td><td>14</td></tr> <tr><td>10</td><td>TC7777</td><td>5001</td><td>15000</td><td>12</td></tr> <tr><td>11</td><td>TC4203</td><td>8001</td><td>16000</td><td>14</td></tr> <tr><td>12</td><td>BU1111</td><td>12001</td><td>16000</td><td>16</td></tr> <tr><td>13</td><td>BU1111</td><td>16001</td><td>20000</td><td>18</td></tr> <tr><td>14</td><td>MC2222</td><td>12001</td><td>20000</td><td>18</td></tr> <tr><td>15</td><td>BU7832</td><td>15001</td><td>20000</td><td>16</td></tr> <tr><td>16</td><td>PS1372</td><td>10001</td><td>20000</td><td>12</td></tr> </tbody> </table> <div> Consulta ejec... USER-PC\SQLEXPRESS (12.0 SP3) USER-PC\USER (52) pubs 00:00:00 42 filas </div> </div>		title_id	loran...	hiran...	roya...	1	BU2075	10001	12000	20	2	MC3021	10001	12000	22	3	TC3218	10001	12000	20	4	MC2222	8001	12000	16	5	TC3218	12001	14000	22	6	BU2075	12001	14000	22	7	PC8888	10001	15000	14	8	PS3333	10001	15000	14	9	BU7832	10001	15000	14	10	TC7777	5001	15000	12	11	TC4203	8001	16000	14	12	BU1111	12001	16000	16	13	BU1111	16001	20000	18	14	MC2222	12001	20000	18	15	BU7832	15001	20000	16	16	PS1372	10001	20000	12	4
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<p>Muestre los resultados de las consultas que le permiten obtener los datos de un hirange menor e igual a 2000</p>	<div>SQLQuery7.sql - U...USER-PC\USER (52))*</div> <pre>select * from dbo.roysched where hirange <=2000 order by hirange asc</pre> <div>100 %</div> <div>Resultados Mensajes</div> <table><thead><tr><th></th><th>title_id</th><th>loran...</th><th>hirange</th><th>roya...</th></tr></thead><tbody><tr><td>1</td><td>MC3021</td><td>0</td><td>1000</td><td>10</td></tr><tr><td>2</td><td>BU2075</td><td>0</td><td>1000</td><td>10</td></tr><tr><td>3</td><td>PS2091</td><td>0</td><td>1000</td><td>10</td></tr><tr><td>4</td><td>PS2106</td><td>0</td><td>2000</td><td>10</td></tr><tr><td>5</td><td>PC1035</td><td>0</td><td>2000</td><td>10</td></tr><tr><td>6</td><td>MC3021</td><td>1001</td><td>2000</td><td>12</td></tr><tr><td>7</td><td>TC3218</td><td>0</td><td>2000</td><td>10</td></tr><tr><td>8</td><td>MC2222</td><td>0</td><td>2000</td><td>10</td></tr><tr><td>9</td><td>TC4203</td><td>0</td><td>2000</td><td>10</td></tr></tbody></table>		title_id	loran...	hirange	roya...	1	MC3021	0	1000	10	2	BU2075	0	1000	10	3	PS2091	0	1000	10	4	PS2106	0	2000	10	5	PC1035	0	2000	10	6	MC3021	1001	2000	12	7	TC3218	0	2000	10	8	MC2222	0	2000	10	9	TC4203	0	2000	10	4
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G. CONSIDERACIONES FINALES:

Indique en esta sección si considera o no que el laboratorio cumplió su objetivo.

Respuestas:

Este tipo de laboratorios es excelente, el estudiante aprende sobre la marcha, y la actividad en cada momento se vuelve mas constructiva.

•

H. BIBLIOGRAFÍA:

- A fondo SQL Server, Kalen Delaney, Serie de programación Microsoft, McGraw Hill profesional
- http://www.aulaclie.es/sqlserver/t_1_1.htm

I. RÚBRICA:

Esta actividad de aprendizaje tendrá una puntuación total de 100, donde la evaluación se basada en los aspectos de **excelente**, **bueno**, **regular**, **deficiente**. Los puntos que se evaluará en la rúbrica se muestran en la tabla:

N.	ASPECTOS QUE EVALUAR				
1	CONTENIDO DE ACUERDO CON LO SOLICITADO EN EL ENUNCIADO	Excelente (80)	Bueno (60)	Regular (30)	Deficiente (5)
	Cada uno de los problemas es ponderado con 4 puntos – (80 pts.)	Domina con claridad las ideas del tema.	No domina el tema.	Hicieron falta respuestas.	No domina el tema.
2	ENTREGA DE TRABAJO EN LA PLATAFORMA – (10 puntos)	Excelente (10)	Bueno (7)	Regular (5)	Deficiente (0)
	Entrega a tiempo en la plataforma.	Entregó a tiempo.	No entregó a tiempo, con excusa.	No entregó a tiempo, sin excusa.	No entregó.