

## Taller SQL parte 2

Juliana Andrea Galeano Caicedo, William Felipe Mendez Ardila

Universidad de los Andes, Bogotá, Colombia

ja.galeanoc1@uniandes.edu.co, w.mendez@uniandes.edu.co

Fecha de presentación: octubre 5 de 2021

### Información general estadística de tablas

```
SELECT t.table_name AS NombreTabla, COUNT(c.table_name) AS NumColumnas,  
n.NumColsNull , t.last_analyzed AS Ultimo_Analisis
```

```
FROM      SYS.ALL_TABLES t INNER JOIN SYS.all_tab_columns c ON t.table_name =  
c.table_name INNER JOIN (SELECT table_name, COUNT(column_name) AS NumColsNull
```

```
FROM SYS.all_tab_columns
```

```
WHERE OWNER =
```

```
'PARRANDEROS' AND
```

```
nullable = 'Y'
```

```
GROUP BY table_name
```

```
ORDER BY table_name
```

```
) n ON n.table_name = c.table_name
```

```
WHERE t.OWNER = 'PARRANDEROS' AND
```

```
c.owner = 'PARRANDEROS'
```

```
GROUP BY t.table_name, t.last_analyzed, NumColsNull
```

```
ORDER BY NombreTabla;
```

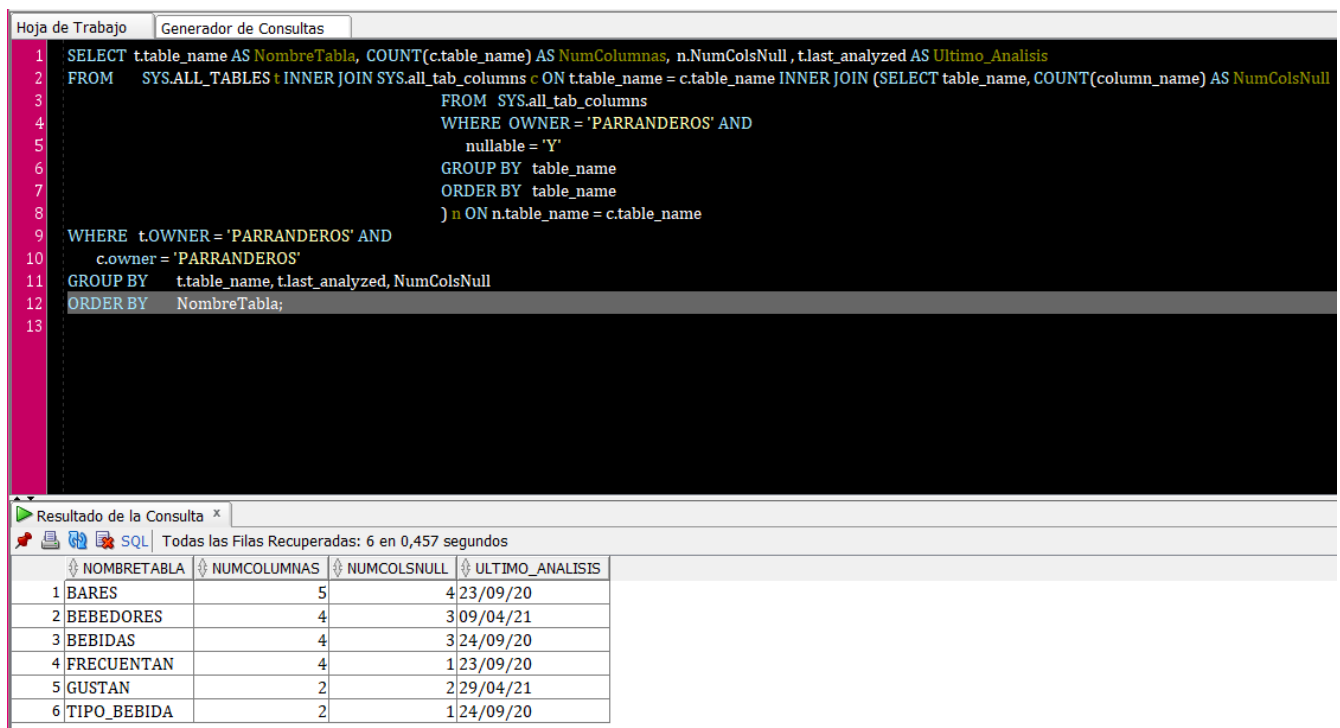


Figura 1. Cláusula y resultado 1

## Información de las llaves primarias

SELECT r.table\_name AS NombreTabla, r.column\_name AS NombreColsPK, c.data\_type AS TipoDeDato

FROM SYS.all\_cons\_columns r INNER JOIN SYS.all\_tab\_columns c ON c.table\_name = r.table\_name AND

c.column\_name = r.column\_name

WHERE r.owner = 'PARRANDEROS' AND

r.constraint\_name LIKE 'PK%' AND

c.owner = 'PARRANDEROS'

ORDER BY NombreTabla ASC, NombreColsPK ASC;

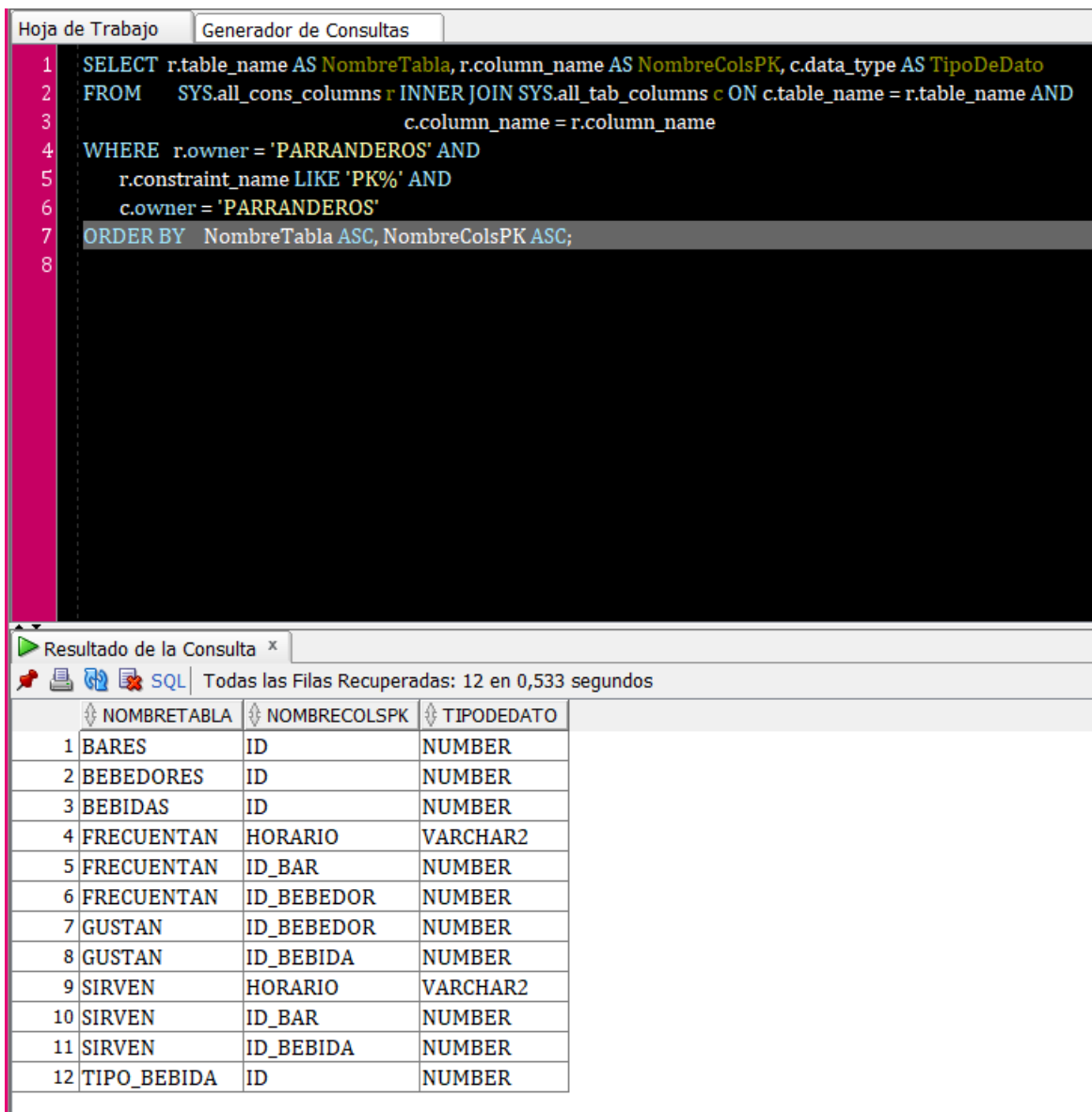


Figura 2. Cláusula y resultado 2

### Caracterización de los tipos de datos de las tablas

```
SELECT c.table_name AS NombreTabla, c.data_type AS TipoDeDato, COUNT(c.data_type) AS
NumColsTipoDato, ROUND ((AVG(c.avg_col_len)), 2) AS PromedioLongitudCol
```

```
FROM   SYS.all_tab_columns c
```

```
WHERE  c.OWNER = 'PARRANDEROS'
```

```
GROUP BY  c.table_name, c.data_type
```

```
ORDER BY  NombreTabla ASC, TipoDeDato ASC, NumColsTipoDato ASC;
```

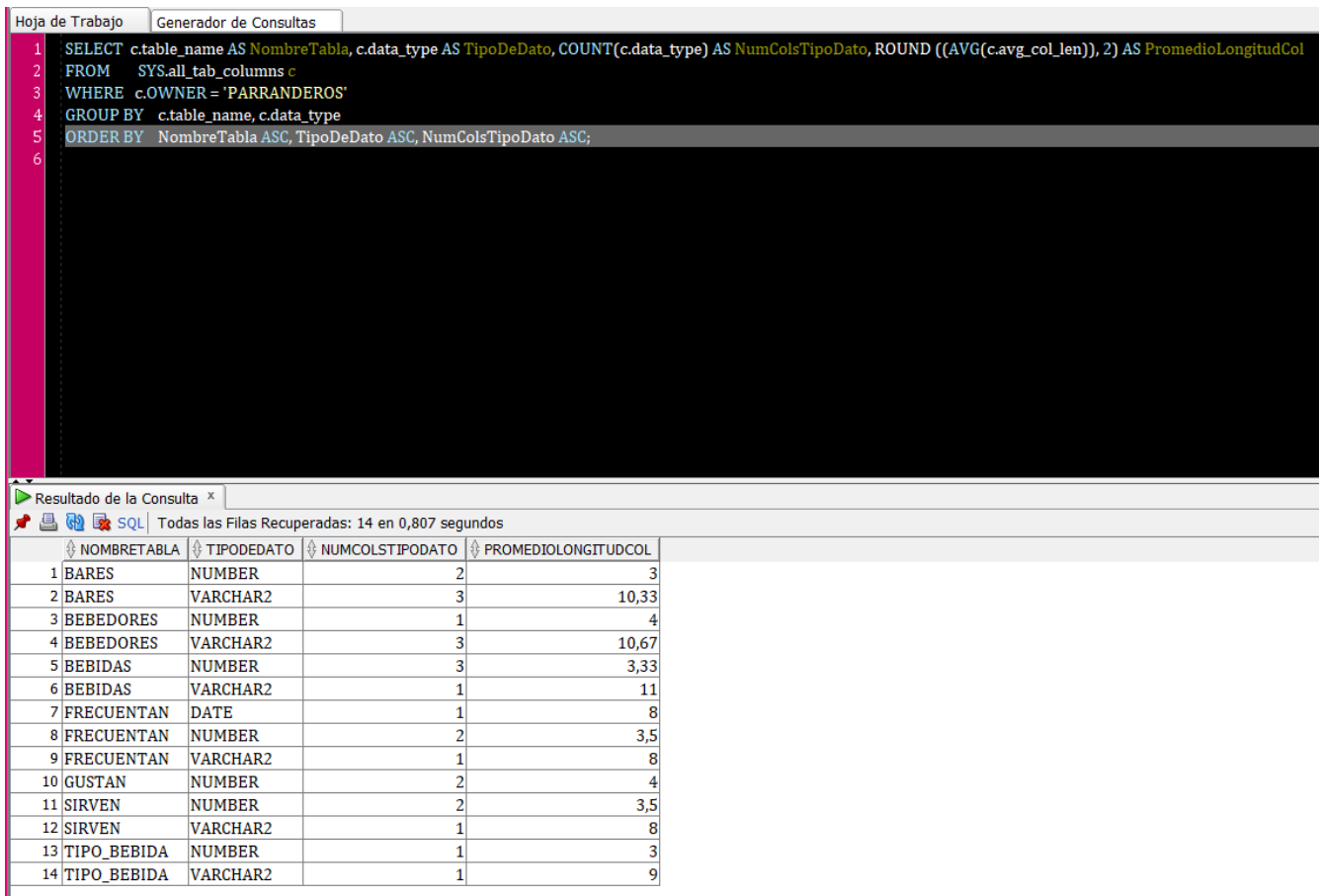


Figura 3. Cláusula y resultado 3

### Listado general de las columnas y sus restricciones

SELECT c.table\_name AS NombreTabla, c.column\_name AS NombreColumna, c.data\_type AS TipoDeDato, NVL(r.constraint\_name, 'NO TIENE') AS NombreRestriccion, c.nullable AS PermiteNulos

FROM SYS.all\_tab\_columns c LEFT OUTER JOIN (SELECT c.column\_name, r.constraint\_name, r.table\_name, c.column\_id

FROM SYS.all\_cons\_columns r INNER JOIN SYS.all\_tab\_columns c ON r.table\_name = c.table\_name AND

c.column\_name = r.column\_name

WHERE r.owner = 'PARRANDEROS' AND

c.owner = 'PARRANDEROS') r ON c.column\_id = r.column\_id AND

r.table\_name = c.table\_name

WHERE c.OWNER = 'PARRANDEROS'

ORDER BY NombreTabla ASC, NombreColumna ASC, NombreRestriccion ASC;

Hoja de Trabajo

Generador de Consultas

1

SELECT c.table\_name AS NombreTabla, c.column\_name AS NombreColumna, c.data\_type AS TipoDeDate, NVL(r.constraint\_name, 'NO TIENE') AS NombreRestriccion, c.nullable AS PermiteNulos

2

FROM SYS.all\_tab\_columns c LEFT OUTER JOIN (SELECT c.column\_name, r.constraint\_name, r.table\_name, c.column\_id

3

FROM SYS.all\_cons\_columns r INNER JOIN SYS.all\_tab\_columns c ON r.table\_name = c.table\_name AND

4

c.column\_name = r.column\_name

5

WHERE r.owner = 'PARRANDEROS' AND

6

c.owner = 'PARRANDEROS') r ON c.column\_id = r.column\_id AND

7

r.table\_name = c.table\_name

8

WHERE c.OWNER = 'PARRANDEROS'

9

ORDER BY NombreTabla ASC, NombreColumna ASC, NombreRestriccion ASC;

10

Resultado de la Consulta

Todas las Filas Recuperadas: 32 en 0,042 segundos

	NOMBRETABLA	NOMBRECOLUMNA	TIPODEDATO	NOMBRERESTRICCION	PERMITENULOS
1	BARES	CANT_SEDES	NUMBER	CK_CANTSEDES	Y
2	BARES	CIUDAD	VARCHAR2	NO TIENE	Y
3	BARES	ID	NUMBER	PK_BARES	N
4	BARES	NOMBRE	VARCHAR2	NO TIENE	Y
5	BARES	PRESUPUESTO	VARCHAR2	CK_PRESUPUESTO	Y
6	BEBEDORES	CIUDAD	VARCHAR2	NO TIENE	Y
7	BEBEDORES	ID	NUMBER	PK_BEBEDORES	N
8	BEBEDORES	NOMBRE	VARCHAR2	NO TIENE	Y
9	BEBEDORES	PRESUPUESTO	VARCHAR2	NO TIENE	Y
10	BEBIDAS	GRADO_ALCOHOL	NUMBER	CK_GRADOALCHL	Y
11	BEBIDAS	ID	NUMBER	PK_BEBIDAS	N
12	BEBIDAS	NOMBRE	VARCHAR2	NO TIENE	Y
13	BEBIDAS	TIPO	NUMBER	FK_B_TIPO_BEBIDA	Y
14	FRECUENTAN	FECHA_ULTIMA_VISITA	DATE	NO TIENE	Y
15	FRECUENTAN	HORARIO	VARCHAR2	CK_HORARIO	N
16	FRECUENTAN	HORARIO	VARCHAR2	PK_FRECUENTAN	N
17	FRECUENTAN	ID_BAR	NUMBER	FK_F_BARES	N
18	FRECUENTAN	ID_BAR	NUMBER	PK_FRECUENTAN	N
19	FRECUENTAN	ID_BEBEDOR	NUMBER	FK_F_BEBEDOR	N
20	FRECUENTAN	ID_BEBEDOR	NUMBER	PK_FRECUENTAN	N
21	GUSTAN	ID_BEBEDOR	NUMBER	FK_G_BEBEDOR	Y
22	GUSTAN	ID_BEBEDOR	NUMBER	PK_GUSTAN	Y
23	GUSTAN	ID_BEBIDA	NUMBER	FK_G_BEBIDAS	Y
24	GUSTAN	ID_BEBIDA	NUMBER	PK_GUSTAN	Y
25	SIRVEN	HORARIO	VARCHAR2	CK_S_HORARIO	N
26	SIRVEN	HORARIO	VARCHAR2	PK_SIRVEN	N
27	SIRVEN	ID_BAR	NUMBER	FK_S_BARES	N
28	SIRVEN	ID_BAR	NUMBER	PK_SIRVEN	N

Figura 4. Cláusula y resultado 4

## Consultas sobre catálogo y datos

SELECT 'SELECT NombreColumna, NombreTabla, NumRestricciones

FROM (SELECT (LENGTH(c.column\_name)) AS Lennombre ,  
(LENGTH(c.column\_name) - LENGTH(REPLACE((TRANSLATE(c.column\_name, "AEIOU", " ")), " ", ""))) AS Numvocales, c.column\_name AS NombreColumna, c.table\_name NombreTabla,  
NVL(r.NumRestricciones,0) AS NumRestricciones

FROM SYS.all\_tab\_columns c LEFT OUTER JOIN (SELECT table\_name,  
column\_name, COUNT(constraint\_name) AS NumRestricciones

FROM SYS.all\_cons\_columns

WHERE OWNER="PARRANDEROS"

GROUP BY table\_name, column\_name

```

) r ON c.table_name = r.table_name AND

c.column_name = r.column_name

WHERE c.OWNER = "PARRANDEROS" AND

(LENGTH(c.column_name)) < 8 AND

(LENGTH(c.column_name) -

LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) >= 2 AND

c.table_name = "" || table_name || " ";

FROM SYS.all_tables

WHERE owner = 'PARRANDEROS';

```

Hoja de Trabajo | Generador de Consultas

```

1 SELECT 'SELECT NombreColumna, NombreTabla, NumRestricciones
2 FROM (SELECT (LENGTH(c.column_name)) AS LenNombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) AS NumVocales, c.column_name AS NombreColumna,
3 FROM SYS.all_tab_columns c LEFT OUTER JOIN (SELECT table_name, column_name, COUNT(constraint_name) AS NumRestricciones
4 FROM SYS.all_cons_columns
5 WHERE OWNER="PARRANDEROS"
6 GROUP BY table_name, column_name
7 ) r ON c.table_name = r.table_name AND
8 c.column_name = r.column_name
9 WHERE c.OWNER = "PARRANDEROS" AND
10 (LENGTH(c.column_name)) < 8 AND
11 (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) >= 2 AND
12 c.table_name = "" || table_name || " ";
13 FROM SYS.all_tables
14 WHERE owner = 'PARRANDEROS';
15

```

Resultado de la Consulta x

Todas las Filas Recuperadas: 7 en 0,276 segundos

NombreColumna	NombreTabla	NumRestricciones	(LENGTH(c.column_name)) AS LenNombre	(LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) AS NumVocales	c.column_name AS NombreColumna
1	SELECT	NombreColumna, NombreTabla, NumRestricciones	FROM	(SELECT (LENGTH(c.column_name)) AS LenNombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) AS NumVocales, c.column_name AS NombreColumna,	
2	SELECT	NombreColumna, NombreTabla, NumRestricciones	FROM	(SELECT (LENGTH(c.column_name)) AS LenNombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) AS NumVocales, c.column_name AS NombreColumna,	
3	SELECT	NombreColumna, NombreTabla, NumRestricciones	FROM	(SELECT (LENGTH(c.column_name)) AS LenNombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) AS NumVocales, c.column_name AS NombreColumna,	
4	SELECT	NombreColumna, NombreTabla, NumRestricciones	FROM	(SELECT (LENGTH(c.column_name)) AS LenNombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) AS NumVocales, c.column_name AS NombreColumna,	
5	SELECT	NombreColumna, NombreTabla, NumRestricciones	FROM	(SELECT (LENGTH(c.column_name)) AS LenNombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) AS NumVocales, c.column_name AS NombreColumna,	
6	SELECT	NombreColumna, NombreTabla, NumRestricciones	FROM	(SELECT (LENGTH(c.column_name)) AS LenNombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) AS NumVocales, c.column_name AS NombreColumna,	
7	SELECT	NombreColumna, NombreTabla, NumRestricciones	FROM	(SELECT (LENGTH(c.column_name)) AS LenNombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, "AEIOU", " ")), " ", ""))) AS NumVocales, c.column_name AS NombreColumna,	

Figura 5. Cláusula y resultado 5

Si se copia cada script del resultado de la consulta hay que eliminar las comillas del inicio y del final.

```

SELECT NombreColumna, NombreTabla, NumRestricciones

FROM (SELECT (LENGTH(c.column_name)) AS LenNombre ,
(LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', ' ')), ' ', ''))) AS NumVocales, c.column_name AS NombreColumna, c.table_name NombreTabla,
NVL(r.NumRestricciones,0) AS NumRestricciones

FROM SYS.all_tab_columns c LEFT OUTER JOIN (SELECT table_name,
column_name, COUNT(constraint_name) AS NumRestricciones

FROM SYS.all_cons_columns

WHERE OWNER='PARRANDEROS'

```

```

GROUP BY table_name, column_name

) r ON c.table_name = r.table_name AND

c.column_name = r.column_name

WHERE c.OWNER = 'PARRANDEROS' AND

(LENGTH(c.column_name)) < 8 AND

(LENGTH(c.column_name) -

LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', '')), ' ', ''))) >= 2 AND

c.table_name = 'BARES');

```

Hoja de Trabajo | Generador de Consultas

```

1 SELECT NombreColumna, NombreTabla, NumRestricciones
2 FROM (SELECT (LENGTH(c.column_name)) AS Lennombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', '')), ' ', ''))) AS Numvocales, c.column_name AS NombreColumna, c.table_name AS NombreTabla, NVL(r.NumRestricciones,0) AS NumRestricciones
3 FROM SYS.all_tab_columns c LEFT OUTER JOIN (SELECT table_name, column_name, COUNT(constraint_name) AS NumRestricciones
4 FROM SYS.all_cons_columns
5 WHERE OWNER='PARRANDEROS'
6 GROUP BY table_name, column_name
7 ) r ON c.table_name = r.table_name AND
8 c.column_name = r.column_name
9 WHERE c.OWNER = 'PARRANDEROS' AND
10 (LENGTH(c.column_name)) < 8 AND
11 (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', '')), ' ', ''))) >= 2 AND
12 c.table_name = 'BARES');
13

```

Resultado de la Consulta x

Todas las Filas Recuperadas: 2 en 1,696 segundos

	NOMBRECOLUMNA	NOMBRETABLA	NUMRESTRICCIONES
1	NOMBRE	BARES	0
2	CIUDAD	BARES	0

Figura 6. Script y resultado para la tabla Bares

```

SELECT NombreColumna, NombreTabla, NumRestricciones

FROM (SELECT (LENGTH(c.column_name)) AS Lennombre ,
(LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', '')), ' ', ''))) AS Numvocales, c.column_name AS NombreColumna, c.table_name AS NombreTabla,
NVL(r.NumRestricciones,0) AS NumRestricciones

FROM SYS.all_tab_columns c LEFT OUTER JOIN (SELECT table_name,
column_name, COUNT(constraint_name) AS NumRestricciones

FROM SYS.all_cons_columns

WHERE OWNER='PARRANDEROS'

GROUP BY table_name, column_name

) r ON c.table_name = r.table_name AND

c.column_name = r.column_name

WHERE c.OWNER = 'PARRANDEROS' AND

(LENGTH(c.column_name)) < 8 AND

```

```

        (LENGTH(c.column_name) -
LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU',' ')), ' ', ''))) >= 2 AND

        c.table_name = 'BEBEDORES');

```

The screenshot shows the SQL Developer interface. The top pane displays a query script with line numbers 1 through 13. The bottom pane shows the query results in a table with 3 columns: NOMBRECOLUMNA, NOMBRETABLA, and NUMRESTRICCIONES. The results show two rows: 1 NOMBRE BEBEDORES with 0 restrictions, and 2 CIUDAD BEBEDORES with 0 restrictions.

NOMBRECOLUMNA	NOMBRETABLA	NUMRESTRICCIONES
1 NOMBRE	BEBEDORES	0
2 CIUDAD	BEBEDORES	0

Figura 7. Script y resultado para la tabla Bebedores

```

SELECT  NombreColumna, NombreTabla, NumRestricciones

        FROM      (SELECT  (LENGTH(c.column_name)) AS Lennombre ,
        (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU',' ')), ' ', ''))) AS Numvocales, c. column_name AS NombreColumna, c.table_name NombreTabla,
        NVL(r.NumRestricciones,0) AS NumRestricciones

        FROM      SYS.all_tab_columns c LEFT OUTER JOIN (SELECT  table_name,
        column_name, COUNT(constraint_name) AS NumRestricciones

        FROM      SYS.all_cons_columns

        WHERE     OWNER='PARRANDEROS'

        GROUP BY  table_name, column_name

        ) r ON c.table_name = r.table_name AND

        c.column_name = r.column_name

        WHERE     c.OWNER = 'PARRANDEROS' AND

        (LENGTH(c.column_name)) <8 AND

        (LENGTH(c.column_name) -
LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU',' ')), ' ', ''))) >= 2 AND

        c.table_name = 'BEBIDAS');

```



Hoja de Trabajo	Generador de Consultas
1	SELECT NombreColumna, NombreTabla, NumRestricciones
2	FROM (SELECT (LENGTH(c.column_name)) AS Lennombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', '')), ''))) AS Numvocales, c.column_name AS NombreColumna, c
3	FROM SYS.all_tab_columns c LEFT OUTER JOIN (SELECT table_name, column_name, COUNT(constraint_name) AS NumRestricciones
4	FROM SYS.all_cons_columns
5	WHERE OWNER='PARRANDEROS'
6	GROUP BY table_name, column_name
7	) r ON c.table_name = r.table_name AND
8	c.column_name = r.column_name
9	WHERE c.OWNER = 'PARRANDEROS' AND
10	(LENGTH(c.column_name)) <8 AND
11	(LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', '')), ''))) >= 2 AND
12	c.table_name = 'BEBIDAS');
13	

Resultado de la Consulta x		
Todas las Filas Recuperadas: 2 en 0,269 segundos		
NOMBRECOLUMNA	NOMBRETABLA	NUMRESTRICCIONES
1 TIPO	BEBIDAS	1
2 NOMBRE	BEBIDAS	0

Figura 8. Script y resultado para la tabla Bebidas

SELECT NombreColumna, NombreTabla, NumRestricciones

FROM (SELECT (LENGTH(c.column\_name)) AS Lennombre ,  
(LENGTH(c.column\_name) - LENGTH(REPLACE((TRANSLATE(c.column\_name, 'AEIOU', '')), ''))) AS Numvocales, c.column\_name AS NombreColumna, c.table\_name NombreTabla,  
NVL(r.NumRestricciones,0) AS NumRestricciones

FROM SYS.all\_tab\_columns c LEFT OUTER JOIN (SELECT table\_name,  
column\_name, COUNT(constraint\_name) AS NumRestricciones

FROM SYS.all\_cons\_columns

WHERE OWNER='PARRANDEROS'

GROUP BY table\_name, column\_name

) r ON c.table\_name = r.table\_name AND

c.column\_name = r.column\_name

WHERE c.OWNER = 'PARRANDEROS' AND

(LENGTH(c.column\_name)) <8 AND

(LENGTH(c.column\_name) -  
LENGTH(REPLACE((TRANSLATE(c.column\_name, 'AEIOU', '')), ''))) >= 2 AND

c.table\_name = 'FRECUENTAN');

Hoja de Trabajo	Generador de Consultas
-----------------	------------------------

```

1 SELECT NombreColumna, NombreTabla, NumRestricciones
2 FROM (SELECT (LENGTH(c.column_name)) AS Lennombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU',''), ',' , ''))) AS Numvocales, c.column_name AS NombreColumna, c.table_name AS NombreTabla, NVL(r.NumRestricciones,0) AS NumRestricciones
3 FROM SYS.all_tab_columns c LEFT OUTER JOIN (SELECT table_name, column_name, COUNT(constraint_name) AS NumRestricciones
4 FROM SYS.all_cons_columns
5 WHERE OWNER='PARRANDEROS'
6 GROUP BY table_name, column_name
7 ) r ON c.table_name = r.table_name AND
8 c.column_name = r.column_name
9 WHERE c.OWNER = 'PARRANDEROS' AND
10 (LENGTH(c.column_name)) <8 AND
11 (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU',''), ',' , ''))) >= 2 AND
12 c.table_name = 'FRECUENTAN');
13

```

Resultado de la Consulta x		
Todas las Filas Recuperadas: 2 en 0,158 segundos		
NOMBRECOLUMNA	NOMBRETABLA	NUMRESTRICCIONES
1 ID_BAR	FRECUENTAN	2
2 HORARIO	FRECUENTAN	2

Figura 9. Script y resultado para la tabla Frecuentan

SELECT NombreColumna, NombreTabla, NumRestricciones

FROM (SELECT (LENGTH(c.column\_name)) AS Lennombre ,  
(LENGTH(c.column\_name) - LENGTH(REPLACE((TRANSLATE(c.column\_name, 'AEIOU',''), ',' , ''))) AS Numvocales, c.column\_name AS NombreColumna, c.table\_name AS NombreTabla,  
NVL(r.NumRestricciones,0) AS NumRestricciones

FROM SYS.all\_tab\_columns c LEFT OUTER JOIN (SELECT table\_name,  
column\_name, COUNT(constraint\_name) AS NumRestricciones

FROM SYS.all\_cons\_columns

WHERE OWNER='PARRANDEROS'

GROUP BY table\_name, column\_name

) r ON c.table\_name = r.table\_name AND

c.column\_name = r.column\_name

WHERE c.OWNER = 'PARRANDEROS' AND

(LENGTH(c.column\_name)) <8 AND

(LENGTH(c.column\_name) -  
LENGTH(REPLACE((TRANSLATE(c.column\_name, 'AEIOU',''), ',' , ''))) >= 2 AND

c.table\_name = 'GUSTAN');

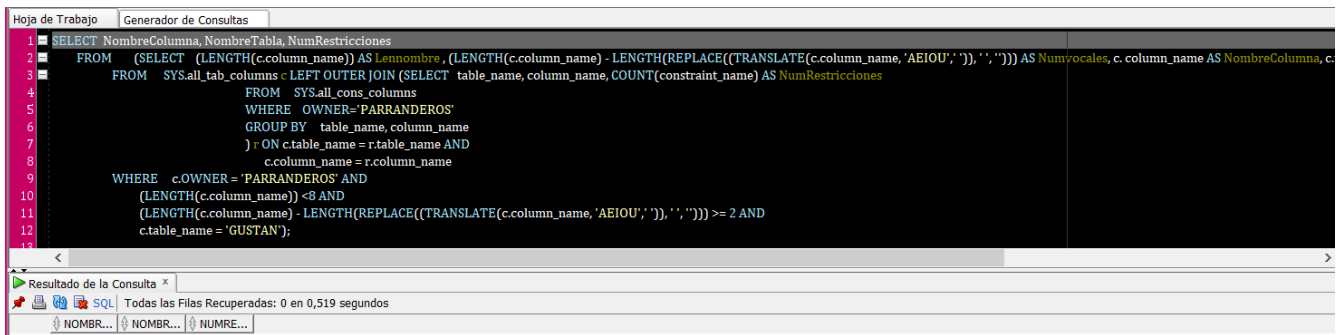


Figura 10. Script y resultado para la tabla Gustan

SELECT NombreColumna, NombreTabla, NumRestricciones

FROM (SELECT (LENGTH(c.column\_name)) AS Lennombre ,  
(LENGTH(c.column\_name) - LENGTH(REPLACE((TRANSLATE(c.column\_name, 'AEIOU', '')), '' , ''))) AS Numvocales, c. column\_name AS NombreColumna, c.table\_name NombreTabla,  
NVL(r.NumRestricciones,0) AS NumRestricciones

FROM SYS.all\_tab\_columns c LEFT OUTER JOIN (SELECT table\_name,  
column\_name, COUNT(constraint\_name) AS NumRestricciones

FROM SYS.all\_cons\_columns

WHERE OWNER='PARRANDEROS'

GROUP BY table\_name, column\_name

) r ON c.table\_name = r.table\_name AND

c.column\_name = r.column\_name

WHERE c.OWNER = 'PARRANDEROS' AND

(LENGTH(c.column\_name)) <8 AND

(LENGTH(c.column\_name) -  
LENGTH(REPLACE((TRANSLATE(c.column\_name, 'AEIOU', '')), '' , ''))) >= 2 AND

c.table\_name = 'SIRVEN');

Hoja de Trabajo

Generador de Consultas

1

2

3

4

5

6

7

8

9

10

11

12

13

```
SELECT NombreColumna, NombreTabla, NumRestricciones
FROM (SELECT (LENGTH(c.column_name)) AS Lennombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', '')), ''))) AS Numvocales, c.column_name AS NombreColumna, c
FROM SYS.all_tab_columns c LEFT OUTER JOIN (SELECT table_name, column_name, COUNT(constraint_name) AS NumRestricciones
FROM SYS.all_cons_columns
WHERE OWNER='PARRANDEROS'
GROUP BY table_name, column_name
) r ON c.table_name = r.table_name AND
c.column_name = r.column_name
WHERE c.OWNER = 'PARRANDEROS' AND
(LENGTH(c.column_name)) <8 AND
(LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', '')), ''))) >= 2 AND
c.table_name = 'SIRVEN');
```

Resultado de la Consulta x

Todas las Filas Recuperadas: 2 en 0,154 segundos

	NOMBRECOLUMNA	NOMBRETABLA	NUMRESTRICCIONES
1	ID_BAR	SIRVEN	2
2	HORARIO	SIRVEN	2

Figura 11. Script y resultado para la tabla Sirven

SELECT NombreColumna, NombreTabla, NumRestricciones

FROM (SELECT (LENGTH(c.column\_name)) AS Lennombre ,  
(LENGTH(c.column\_name) - LENGTH(REPLACE((TRANSLATE(c.column\_name, 'AEIOU', '')), '' ,  
" ))) AS Numvocales, c. column\_name AS NombreColumna, c.table\_name NombreTabla,  
NVL(r.NumRestricciones,0) AS NumRestricciones

FROM SYS.all\_tab\_columns c LEFT OUTER JOIN (SELECT table\_name,  
column\_name, COUNT(constraint\_name) AS NumRestricciones

FROM SYS.all\_cons\_columns

WHERE OWNER='PARRANDEROS'

GROUP BY table\_name, column\_name

) r ON c.table\_name = r.table\_name AND

c.column\_name = r.column\_name

WHERE c.OWNER = 'PARRANDEROS' AND

(LENGTH(c.column\_name)) <8 AND

(LENGTH(c.column\_name) -  
LENGTH(REPLACE((TRANSLATE(c.column\_name, 'AEIOU', '')), '' , " ))) >= 2 AND

c.table\_name = 'TIPO\_BEBIDA');

Hoja de Trabajo

Generador de Consultas

```

1 SELECT NombreColumna, NombreTabla, NumRestricciones
2 FROM (SELECT (LENGTH(c.column_name)) AS Lennombre, (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', ''), ''))) AS NumVocales, c.column_name AS NombreColumna, c
3 FROM SYS.all_tab_columns c LEFT OUTER JOIN (SELECT table_name, column_name, COUNT(constraint_name) AS NumRestricciones
4 FROM SYS.all_cons_columns
5 WHERE OWNER='PARRANDEROS'
6 GROUP BY table_name, column_name
7 ) r ON c.table_name = r.table_name AND
8 c.column_name = r.column_name
9 WHERE c.OWNER = 'PARRANDEROS' AND
10 (LENGTH(c.column_name)) < 8 AND
11 (LENGTH(c.column_name) - LENGTH(REPLACE((TRANSLATE(c.column_name, 'AEIOU', ''), ''))) >= 2 AND
12 c.table_name = 'TIPO_BEBIDA');
13

```

Resultado de la Consulta x

Todas las Filas Recuperadas: 1 en 0,175 segundos

	NOMBRECOLUMNA	NOMBRETABLA	NUMRESTRICCIONES
1	NOMBRE	TIPO_BEBIDA	0

Figura 12. Script y resultado para la tabla Tipo\_Bebida