

## LAB 20

Los materiales (clave y descripción) entregados al proyecto "México sin ti no estamos completos".

```
1 SELECT M.clave, M.descripcion
2 FROM `entregan` AS E, `materiales` as M, `proyectos` as P
3 WHERE E.clave = M.clave AND P.numero = E.numero
4 AND denominacion = 'México sin ti no estamos completos'
```

Showing rows 0 - 2 (3 total, Query took 0.0023 seconds.)

```
SELECT M.clave, M.descripcion FROM `entregan` AS E, `materiales` as M, `proyectos` as P WHERE E.clave = M.clave AND P.numero = E.numero AND denominacion = 'México sin ti no estamos completos';
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	clave	descripcion
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1030	Varilla 4/33
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1230	Cemento
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1430	Pintura B1022

Los materiales (clave y descripción) que han sido proporcionados por el proveedor "Acme tools".

```
1 SELECT M.clave, M.descripcion
2 FROM `entregan` AS E, `materiales` as M, `proveedores` as Pr
3 WHERE E.clave = M.clave AND Pr.rfc = E.rfc
4 AND razonsocial = 'Acme tools'|
```

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0002 seconds.)

```
SELECT M.clave, M.descripcion FROM `entregan` AS E, `materiales` as M, `proveedores` as Pr WHERE E.clave = M.clave AND Pr.rfc = E.rfc AND razonsocial = 'Acme tools';
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

clave	descripcion
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El RFC de los proveedores que durante el 2000 entregaron en promedio cuando menos 300 materiales.

```
1 SELECT E.rfc
2 FROM `entregan` AS E, `materiales` as M
3 WHERE E.clave = M.clave
4 AND fecha BETWEEN '2000-01-01' AND '2000-12-31'
5 GROUP BY E.rfc
6 HAVING AVG(E.cantidad) >= 300
```

Showing rows 0 - 2 (3 total, Query took 0.0017 seconds.)

```
SELECT E.rfc FROM `entregan` AS E, `materiales` as M WHERE E.clave = M.clave AND fecha BETWEEN '2000-01-01' AND '2000-12-31' GROUP BY E.rfc HAVING AVG(E.cantidad) >= 300;
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	rfc
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	BBBB800101
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	FFFF800101
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	GGGG800101

El Total entregado por cada material en el año 2000.

```
1 SELECT M.descripcion, SUM(E.cantidad) as Total_entregado
2 FROM `entregan` AS E, `materiales` as M
3 WHERE E.clave = M.clave
4 AND fecha BETWEEN '2000-01-01' AND '2000-12-31'
5 GROUP BY M.descripcion
```

Showing rows 0 - 9 (10 total, Query took 0.0007 seconds.)

```
SELECT M.descripcion, SUM(E.cantidad) as Total_entregado FROM `entregan` AS E, `materiales` as M WHERE E.clave = M.clave AND fecha BETWEEN '2000-01-01' AND '2000-12-31' GROUP BY M.descripcion;
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	descripcion	Total_entregado
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Block	466
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Cantera blanca	583
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Pintura B1021	708
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Pintura B1022	13
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Pintura C1010	265
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Recubrimiento P1028	43
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Sillar gris	625
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Tubería 3.6	72
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Vanilla 3/17	8
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Vanilla 4/34	623

La Clave del material más vendido durante el 2001. (se recomienda usar una vista intermedia para su solución)

```
1 CREATE VIEW TotalEntregado1 AS
2 SELECT M.clave, SUM(E.cantidad) as Total
3 FROM `entregan` AS E, `materiales` as M
4 WHERE E.clave = M.clave
5 AND fecha BETWEEN '2001-01-01' AND '2001-12-31'
6 GROUP BY M.clave;
7 SELECT clave
8 FROM TotalEntregado1
9 WHERE Total = (SELECT MAX(Total) FROM TotalEntregado1)
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0007 seconds.)

[SELECT](#) clave [FROM](#) TotalEntregado1 [WHERE](#) Total = ([SELECT](#) [MAX](#)(Total) [FROM](#) TotalEntregado1);

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25  Filter rows:

Extra options

clave  
1260

Productos que contienen el patrón 'ub' en su nombre.

```
1 SELECT descripcion
2 FROM materiales
3 WHERE descripcion LIKE '%ub%';
```

Showing rows 0 - 11 (12 total, Query took 0.0005 seconds.)

```
SELECT descripcion FROM materiales WHERE descripcion LIKE '%ub%';
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	descripcion
<input type="checkbox"/> Edit Copy Delete	Recubrimiento P1001
<input type="checkbox"/> Edit Copy Delete	Recubrimiento P1010
<input type="checkbox"/> Edit Copy Delete	Recubrimiento P1019
<input type="checkbox"/> Edit Copy Delete	Recubrimiento P1028
<input type="checkbox"/> Edit Copy Delete	Recubrimiento P1037
<input type="checkbox"/> Edit Copy Delete	Tubería 3.5
<input type="checkbox"/> Edit Copy Delete	Tubería 4.3
<input type="checkbox"/> Edit Copy Delete	Tubería 3.6
<input type="checkbox"/> Edit Copy Delete	Tubería 4.4
<input type="checkbox"/> Edit Copy Delete	Tubería 3.7
<input type="checkbox"/> Edit Copy Delete	Tubería 4.5
<input type="checkbox"/> Edit Copy Delete	Tubería 3.8

Denominación y suma del total a pagar para todos los proyectos.

```
1 SELECT P.denominacion, SUM(E.cantidad * (M.precio + M.impuesto)) AS
2 Total_a_Pagar
3 FROM proyectos as P, entregan as E, materiales as M
4 WHERE P.numero = E.numero AND E.clave = M.clave
5 GROUP BY P.denominacion;
```

Showing rows 0 - 19 (20 total, Query took 0.0015 seconds.)

```
SELECT P.denominacion, SUM(E.cantidad * (M.precio + M.impuesto)) AS Total_a_Pagar FROM proyectos as P, entregan as E, materiales as M WHERE P.numero = E.numero AND E.clave = M.clave GROUP BY P.denominacion;
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	denominacion	Total_a_Pagar
<input type="checkbox"/> Edit Copy Delete	Ampliación de la carretera a la huasteca	621648.5
<input type="checkbox"/> Edit Copy Delete	Aztecon	161254.5
<input type="checkbox"/> Edit Copy Delete	CIT Campeche	173530.5
<input type="checkbox"/> Edit Copy Delete	CIT Yucatan	936870
<input type="checkbox"/> Edit Copy Delete	Construcción de Hospital Infantil	158724.5
<input type="checkbox"/> Edit Copy Delete	Construcción de plaza Magnolias	135265.90003156662
<input type="checkbox"/> Edit Copy Delete	Disco Atlantic	173910
<input type="checkbox"/> Edit Copy Delete	Educando en Coahuila	682671
<input type="checkbox"/> Edit Copy Delete	Infonavit Durango	353248.5
<input type="checkbox"/> Edit Copy Delete	Mexico sin ti no estamos completos	286319
<input type="checkbox"/> Edit Copy Delete	Queretaro limpio	494686.5
<input type="checkbox"/> Edit Copy Delete	Reconstrucción del templo de Guadalupe	242638
<input type="checkbox"/> Edit Copy Delete	Remodelación de aulas del IPP	248418.5
<input type="checkbox"/> Edit Copy Delete	Remodelación de Soriana	312895
<input type="checkbox"/> Edit Copy Delete	Reparación de la carretera del sol	150766
<input type="checkbox"/> Edit Copy Delete	Reparación de la plaza Sonora	580233.5
<input type="checkbox"/> Edit Copy Delete	Restauración de instalaciones del CEA	931018
<input checked="" type="checkbox"/> Console it Edit Copy Delete	Televisa en acción	109832.80001020432

Denominación, RFC y RazonSocial de los proveedores que se suministran materiales al proyecto Televisa en acción que no se encuentran apoyando al proyecto Educando en Coahuila (Solo usando vistas).

```

1 CREATE VIEW Proveedores_Televisa3 AS
2 SELECT Pv.rfc, Pv.razonsocial, Pr.denominacion
3 FROM proveedores as Pv, entregan as E, proyectos as Pr
4 WHERE Pv.rfc = E.rfc AND E.numero = Pr.numero
5 AND Pr.denominacion = 'Televisa en acción';
6 CREATE VIEW Proveedores_Coahuila3 AS
7 SELECT Pv.rfc
8 FROM proveedores as Pv, entregan as E, proyectos as Pr
9 WHERE Pv.rfc = E.rfc AND E.numero = Pr.numero
10 AND Pr.denominacion = 'Educando en Coahuila';
11 SELECT DISTINCT PT.denominacion, PT.rfc, PT.razonsocial
12 FROM Proveedores_Televisa3 as PT
13 LEFT JOIN Proveedores_Coahuila3 as PC ON PT.rfc = PC.rfc
14 WHERE PC.rfc IS NULL;

```

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0008 seconds.)

CREATE VIEW Proveedores\_Televisa3 AS SELECT Pv.rfc, Pv.razonsocial, Pr.denominacion FROM proveedores as Pv, entregan as E, proyectos as Pr WHERE Pv.rfc = E.rfc AND E.numero = Pr.numero AND Pr.denominacion = 'Televisa en acción';

[ Edit inline ] [ Edit ] [ Create PHP code ]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0013 seconds.)

CREATE VIEW Proveedores\_Coahuila3 AS SELECT Pv.rfc FROM proveedores as Pv, entregan as E, proyectos as Pr WHERE Pv.rfc = E.rfc AND E.numero = Pr.numero AND Pr.denominacion = 'Educando en Coahuila';

[ Edit inline ] [ Edit ] [ Create PHP code ]

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available. 🗨

✓ Showing rows 0 - 1 (2 total, Query took 0.0009 seconds.)

SELECT DISTINCT PT.denominacion, PT.rfc, PT.razonsocial FROM Proveedores\_Televisa3 as PT LEFT JOIN Proveedores\_Coahuila3 as PC ON PT.rfc = PC.rfc WHERE PC.rfc IS NULL;

■ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

■ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

denominacion	rfc	razonsocial
Televisa en acción	CCCC800101	La Ferre
Televisa en acción	DDDD800101	Cecoferre

Denominación, RFC y RazonSocial de los proveedores que se suministran materiales al proyecto Televisa en acción que no se encuentran apoyando al proyecto Educando en Coahuila (Sin usar vistas, utiliza not in, in o exists).

```

1 SELECT DISTINCT Pr.denominacion, Pv.rfc, Pv.razonsocial
2 FROM proveedores as Pv, proyectos as Pr, entregan as E
3 WHERE Pv.rfc = E.rfc AND E.numero = PR.numero
4 AND PR.denominacion = 'Televisa en acción'
5 AND Pv.rfc NOT IN (
6 SELECT DISTINCT P2.rfc
7 FROM proveedores as P2, entregan as E2, proyectos as PR2
8 WHERE P2.rfc = E2.rfc AND E2.numero = PR2.numero
9 AND PR2.denominacion = 'Educando en Coahuila');

```

Showing rows 0 - 1 (2 total, Query took 0.0030 seconds.)

`SELECT DISTINCT Pr.denominacion, Pv.rfc, Pv.razonsocial FROM proveedores as Pv, proyectos as Pr, entregan as E WHERE Pv.rfc = E.rfc AND E.numero = PR.numero AND PR.denominacion = 'Televisa en acción' AND Pv.rfc NOT IN ( SELECT DISTINCT P2.rfc FROM proveedores as P2, entregan as E2, proyectos as PR2 WHERE P2.rfc = E2.rfc AND E2.numero = PR2.numero AND PR2.denominacion = 'Educando en Coahuila');`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

denominacion	rfc	razonsocial
Televisa en acción	CCCC800101	La Ferre
Televisa en acción	DDDD800101	Cecoferre

Costo de los materiales y los Materiales que son entregados al proyecto Televisa en acción cuyos proveedores también suministran materiales al proyecto Educando en Coahuila.

```

1 SELECT M.precio, M.descripcion
2 FROM materiales as M, proyectos as Pr, proveedores as Pv, entregan AS E
3 WHERE M.clave = E.clave AND E.numero = Pr.numero AND E.rfc = Pv.rfc
4 AND Pr.denominacion = 'Televisa en acción'
5 AND Pv.rfc IN (
6 SELECT P2.rfc
7 FROM proyectos as Pr2, entregan as E2, proveedores as P2
8 WHERE Pr2.numero = E2.numero AND E2.rfc = P2.rfc
9 AND Pr2.denominacion = 'Educando en Coahuila');

```

Showing rows 0 - 1 (2 total, Query took 0.0056 seconds.)

`SELECT M.precio, M.descripcion FROM materiales as M, proyectos as Pr, proveedores as Pv, entregan AS E WHERE M.clave = E.clave AND E.numero = Pr.numero AND E.rfc = Pv.rfc AND Pr.denominacion = 'Televisa en acción' AND Pv.rfc IN ( SELECT P2.rfc FROM proyectos as Pr2, entregan as E2, proveedores as P2 WHERE Pr2.numero = E2.numero AND E2.rfc = P2.rfc AND Pr2.denominacion = 'Educando en Coahuila');`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	precio	descripcion
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	50	Ladrillos rojos
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	34	Tepetate