# Laboratorio 21 Andrés Acevedo Caracheo

Materiales (Clave, Descripción, Costo, PorcentajeImpuesto)
Proveedores (RFC, RazonSocial)
Proyectos (Numero, Denominacion)
Entregan (Clave, RFC, Numero, Fecha, Cantidad)

## **CONSULTAS**

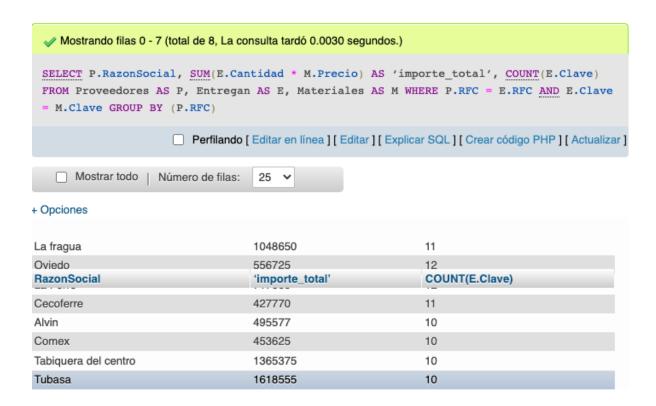
1.

SELECT SUM(E.Cantidad \* M.Precio) AS 'importe', SUM(E.Cantidad) as 'cantidad' FROM Entregan E, Materiales M WHERE E.Clave = M.Clave AND E.Fecha BETWEEN '1997/1/1" AND '1997/12/31" GROUP BY (M.Clave)



2.

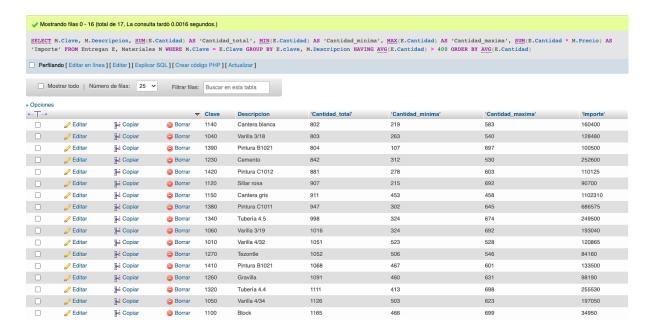
SELECT P.RazonSocial, SUM(E.Cantidad \* M.Precio) AS 'importe\_total', COUNT(E.Clave) FROM Proveedores AS P, Entregan AS E, Materiales AS M WHERE P.RFC = E.RFC AND E.Clave = M.Clave GROUP BY (P.RFC)



## 3.

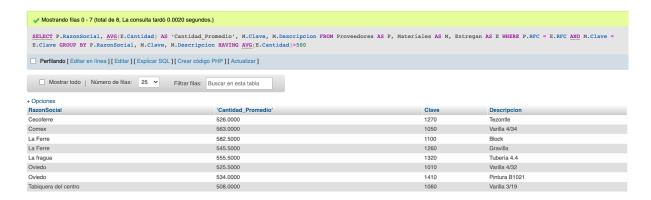
SELECT M.Clave, M.Descripcion, SUM(E.Cantidad) AS 'Cantidad\_total', MIN(E.Cantidad) AS 'Cantidad\_minima', MAX(E.Cantidad) AS 'Cantidad\_maxima', SUM(E.Cantidad \* M.Precio) AS 'Importe'

FROM Entregan E, Materiales M WHERE M.Clave = E.Clave GROUP BY E.clave, M.Descripcion HAVING AVG(E.Cantidad) > 400 ORDER BY AVG(E.Cantidad)



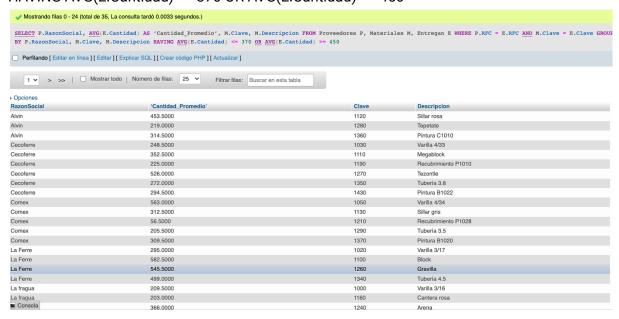
## 4.

SELECT P.RazonSocial, AVG(E.Cantidad) AS 'Cantidad\_Promedio', M.Clave, M.Descripcion FROM Proveedores P, Materiales M, Entregan E WHERE P.RFC = E.RFC AND M.Clave = E.Clave GROUP BY P.RazonSocial, M.Clave, M.Descripcion HAVING AVG(E.Cantidad)>= 500



## 5.

SELECT P.RazonSocial, AVG(E.Cantidad) AS 'Cantidad\_Promedio', M.Clave, M.Descripcion FROM Proveedores P, Materiales M, Entregan E
WHERE P.RFC = E.RFC AND M.Clave = E.Clave
GROUP BY P.RazonSocial, M.Clave, M.Descripcion
HAVING AVG(E.Cantidad) <= 370 OR AVG(E.Cantidad) >= 450



## **INSERTS\***

INSERT INTO Materiales (*Clave, Descripcion, Precio, Impuesto*) VALUES (1001, "Pintura Verde", 12, 1.0)

INSERT INTO Materiales (*Clave, Descripcion, Precio, Impuesto*) VALUES (1002, "Pintura Roja", 25, 1.1)

INSERT INTO Materiales (*Clave, Descripcion, Precio, Impuesto*) VALUES (1003, "Pintura Azul", 22, 1.0)

INSERT INTO Materiales (Clave, Descripcion, Precio, Impuesto) VALUES (1004, "Pintura Amarillo", 15, 1.0)

INSERT INTO Materiales (*Clave, Descripcion, Precio, Impuesto*) VALUES (1005, "Pintura Morado", 100, 1.2)

## **CONSULTAS CON SUBCONSULTAS**

#### 6.

SELECT clave, descripcion

FROM materiales

WHERE clave NOT IN(SELECT clave FROM entregan)



7.

SELECT P.RazonSocial

FROM Proveedores AS P, Entregan AS E

WHERE P.RFC = E.RFC AND E.Numero IN (SELECT Numero FROM Proyectos WHERE Denominacion = 'Vamos México' OR Denominacion = 'Querétaro Limpio')

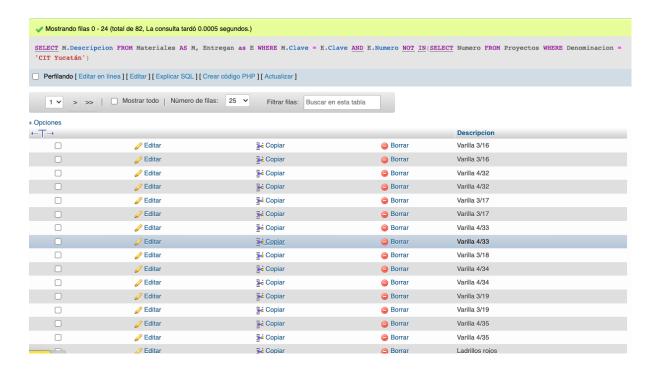


## 8.

SELECT M.Descripcion

FROM Materiales AS M, Entregan as E

WHERE M.Clave = E.Clave AND E.Numero NOT IN(SELECT Numero FROM Proyectos WHERE Denominacion = 'CIT Yucatán')



## 9.

SELECT P.RazonSocial, AVG(E.Cantidad) AS 'Promedio Cantidad'

FROM Proveedores P, Entregan E

WHERE P.RFC = E.RFC

GROUP BY (P.RazonSocial)

HAVING AVG(E.Cantidad) > (SELECT AVG(E.Cantidad) AS 'Promedio\_Cantidad' FROM Entregan E, Proveedores P

# WHERE E.RFC = P.RFC AND E.RFC = 'VAGO780901') ORDER BY AVG(E.Cantidad)

SELECT P.RazonSocial, AVG(E.Cantidad) AS 'Promedio_Cantidad' FROM Proveedores P, Entregan E WHERE P.RFC = E.RFC GROUP BY (P.RazonSocial) HAVING  AVG(E.Cantidad) > (SELECT AVG(E.Cantidad) AS 'Promedio_Cantidad' FROM Entregan E, Proveedores P WHERE E.RFC = P.RFC AND E.RFC = 'VAGO780901') ORDER BY  AVG(E.Cantidad)	
Perfilando [Editar en linea] [Editar] [Explicar SQL] [Crear código PHP] [Actualizar]	
RazonSocial	Promedio_Cantidad
Operaciones sobre los resultados de la consulta	
Crear vista	

# 10.

# SELECT P.RFC, P.RazonSocial

FROM Proveedores P, Proyectos Pr, Entregan E

WHERE P.RFC = E.RFC AND E.numero = Pr.numero AND Pr.Denominacion = 'Infonavit Durango' AND E.RFC IN (SELECT E.RFC FROM Entregan WHERE E.Fecha BETWEEN '2001-1-1' AND '2001-12-31' GROUP BY E.RFC HAVING SUM(E.Cantidad) > (SELECT SUM(E.Cantidad) AS 'Cantidad\_Total' FROM Entregan E WHERE E.Fecha BETWEEN '2000-1-1' AND '2000-12-31' GROUP BY E.RFC))

