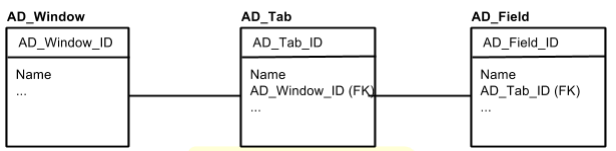
Ejercicios de SQL

Puede probar el código en <http://sqlfiddle.com/>

Donde el Schema es:

| -- Create AD\_Window table  create table AD\_Window(  AD\_Window\_ID int not null auto\_increment,  Name char(25),  primary key(AD\_Window\_ID)  );  -- We put some data  insert into AD\_Window values(1, 'Window 1');  insert into AD\_Window values(2, 'Window 2');  insert into AD\_Window values(3, 'Window 3');  -- Create AD\_Tab table  create table AD\_Tab(  AD\_Tab\_ID int not null auto\_increment,  Name char(25),  AD\_Window\_ID int,  primary key(AD\_Tab\_ID),  foreign key(AD\_Window\_ID) references AD\_Window(AD\_Window\_ID)  );  -- We put some data  insert into AD\_Tab values(1, 'Tab 1 of W1', 1);  insert into AD\_Tab values(2, 'Tab 2 of W1', 1);  insert into AD\_Tab values(3, 'Tab 1 of W2', 2);  insert into AD\_Tab values(4, 'Tab 1 of W3', 3);  insert into AD\_Tab values(5, 'Tab 2 of W3', 3);  insert into AD\_Tab values(6, 'Tab 3 of W3', 3);  insert into AD\_Tab values(7, 'Tab 4 of W3', 3);  insert into AD\_Tab values(8, 'Tab 5 of W3', 3);  -- Create AD\_Field Table  create table AD\_Field(  AD\_Field\_ID int not null auto\_increment,  Name char(25),  AD\_Tab\_ID int,  primary key(AD\_Field\_ID),  foreign key(AD\_Tab\_ID) references AD\_Tab(AD\_Tab\_ID)  );  -- We put some data  insert into AD\_Field values(1, 'Field 1 | T1W1', 1);  insert into AD\_Field values(2, 'Field 1 | T1W2', 3);  insert into AD\_Field values(3, 'Field 2 | T1W2', 3);  insert into AD\_Field values(4, 'Field 1 | T2W1', 2);  insert into AD\_Field values(5, 'Field 2 | T2W1', 2);  insert into AD\_Field values(6, 'Field 3 | T2W1', 2);  insert into AD\_Field values(7, 'Field 1 | T2W3', 5);  /\*  \* Window 1  \* -- Tab 1  \* -- Field 1  \* -- Tab 2  \* -- Field 1  \* -- Field 2  \* -- Field 3  \* Window 2  \* -- Tab 1  \* -- Field 1  \* -- Field 2  \* Window 3  \* -- Tab 1  \* -- Tab 2  \* -- Field 1  \* -- Tab 3  \* -- Tab 4  \* -- Tab 5  \*/  -- Actividad 2  /\*UPDATE AD\_Window  SET Name = CONCAT('--', Name)  WHERE AD\_Window\_ID = 2;\*/ |
| --- |

Dada la siguiente Entidad-Relación



Escriba las siguientes consultas SQL:

1. Name of window with AD\_Window\_ID = ‘100’

**SELECT name  
FROM AD\_Window  
WHERE AD\_Window\_ID = 100;** --(Reemplazar 100 por algún ID válido)

1. Update window with AD\_Window\_ID = ‘100’ appending ‘--’ to the name of

window with AD\_Window\_ID = ‘100’

**UPDATE AD\_Window**

**SET Name = CONCAT('--', Name)**

**WHERE AD\_Window\_ID = 100;** --(Reemplazar 100 por algún ID válido)

1. List of all tabs in window with AD\_Window\_ID = ‘100’

**SELECT \***

**FROM AD\_Tab**

**WHERE AD\_Window\_ID = 100;** --(Reemplazar 100 por algún ID válido)

1. List of tab name + field name of all tabs in AD\_Window\_ID = ‘100’ sorted by tab name and field name

**SELECT CONCAT(AD\_Tab.Name, '-', AD\_Field.Name) AS "Tab+Field Name"**

**FROM AD\_Tab, AD\_Field**

**WHERE (AD\_Field.AD\_Tab\_ID = AD\_Tab.AD\_Tab\_ID)   
AND AD\_Tab.AD\_Window\_ID = 100** --(Reemplazar 100 por algún ID válido)

**ORDER BY AD\_Tab.Name, AD\_Field.Name;**

1. Name and number of tabs of all windows.

**SELECT W.Name AS 'Window name', COUNT(T.AD\_Window\_ID) AS 'Number of tabs'**

**FROM AD\_Tab T**

**JOIN AD\_Window W**

**ON W.AD\_Window\_ID = T.AD\_Window\_ID**

**GROUP BY W.AD\_Window\_ID;**

1. List of all windows with its number of fields, sorting by number of fields starting by the windows with a higher number of them.

**SELECT W.Name AS 'Window Name', COUNT(F.AD\_Tab\_ID) AS 'Num of fields'**

**FROM AD\_Field AS F**

**JOIN AD\_Tab AS T**

**ON T.AD\_Tab\_ID = F.AD\_Tab\_ID**

**JOIN AD\_Window AS W**

**ON W.AD\_Window\_ID = T.AD\_Window\_ID**

**GROUP BY F.AD\_Tab\_ID**

**ORDER BY COUNT(F.AD\_Tab\_ID) DESC;**

1. Windows with more than 5 tabs.

**SELECT W.Name, COUNT(T.AD\_Window\_ID) AS 'Num of tabs'**

**FROM AD\_Tab T**

**LEFT JOIN AD\_Window W**

**ON W.AD\_Window\_ID = T.AD\_Window\_ID**

**GROUP BY W.AD\_Window\_ID**

**HAVING COUNT(T.AD\_Window\_ID) >= 5;**