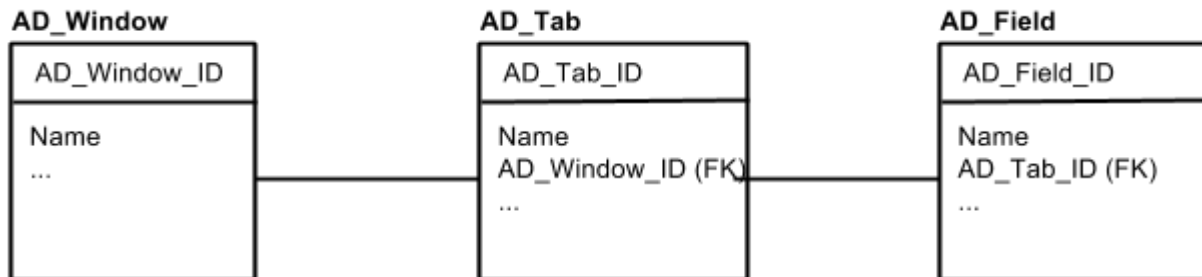


SQL EXERCISES

Given this ER



Write the following SQL queries:

1. Name of window with AD_Window_ID = '100'
 SELECT Name
 FROM AD_Window
 WHERE AD_Window_ID = 100;
2. 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;
3. List of all tabs in window with AD_Window_ID = '100'
 SELECT Name
 FROM AD_Tab
 WHERE AD_Window_ID = 100;
4. List of tab name + field name of all tabs in AD_Window_ID = '100' sorted by tab name and field name
 SELECT AD_Tab.Name AS TabName, AD_Field.Name AS FieldName
 FROM AD_Tab
 LEFT JOIN AD_Field ON AD_Tab.AD_Tab_ID = AD_Field.AD_Tab_ID
 WHERE AD_Tab.AD_Window_ID = 100
 ORDER BY AD_Tab.Name, AD_Field.Name ASC;
5. Name and number of tabs of all windows
 SELECT AD_Window.Name, COUNT(AD_Tab.AD_Tab_ID) AS NumTabs
 FROM AD_Window
 LEFT JOIN AD_Tab ON AD_Window.AD_Window_ID = AD_Tab.AD_Window_ID
 GROUP BY AD_Window.Name
 ORDER BY AD_Window.Name ASC;

6. 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 AD_Window.Name, COUNT(AD_Field.AD_Field_ID) AS NumFields
FROM AD_Window
LEFT JOIN AD_Field ON AD_Window.AD_Window_ID = AD_Field.AD_Window_ID
GROUP BY AD_Window.Name
ORDER BY NumFields DESC;
```

7. Windows with more than 5 tabs

```
SELECT AD_Window.Name AS WindowName
FROM AD_Window
LEFT JOIN AD_Tab ON AD_Window.AD_Window_ID = AD_Tab.AD_Window_ID
GROUP BY AD_Window.Name
HAVING COUNT(AD_Tab.AD_Tab_ID) > 5;
```