

Cheat sheet Databases 1 SELECT....FROM....

| Application | Code example |
|--|---|
| Accessing your table | ALTER SESSION SET CURRENT_SCHEMA = POBYRNE; --Switch schema. SELECT * FROM BUILDER2.STOCK; -- Read the table in a different schema. |
| Switching schema to POBYRNE ...and back to JBLOGGS | ALTER SESSION SET current_schema=POBYRNE; ALTER SESSION SET current schema = JBLOGGS; |
| Show column specifications | DESCRIBE <i>table-name</i> |
| SELECT statement. | SELECT column-list FROM table-name WHERE condition; |
| comment to EOL | -- |
| multi-line comment | /* This is my comment section */ |
| column-list | SELECT * FROM STOCK; -- * denotes all columns from the table. SELECT STOCK DESCRIPTION, UNIT PRICE FROM BUILDER2.STOCK; -- Just 2 columns |
| condition | SELECT * FROM STOCK WHERE UNIT_PRICE > 10;-- checks numeric value SELECT * FROM STOCK WHERE stock_description LIKE 'Garden lamp';--text compare /* Text strings or dates should be surrounded by single quotes.*/ |
| Only mention a value once | SELECT DISTINCT SUPPLIER ID FROM STOCK;-- Shows the values that appear here |
| Calculated fields | SELECT UNIT PRICE * 1.1 FROM STOCK;-- A calculation in the column list. |
| Where case matters. | <i>Case matters for anything in quotes.</i> |
| Converting to Lower case | SELECT LOWER(STAFF ROLE) FROM STAFF;-- Function calls can be embedded. |
| Give a column a title | SELECT STAFF NO StaffName, LOWER(STAFF ROLE) "Staff Name" FROM STAFF;--Rename |
| Adding currency symbols | SELECT TO_CHAR(UNIT PRICE, 'U9,999.99') FROM STOCK;--Euro Currency (\$ dollars) |
| Literals and DUAL | SELECT sysdate, user FROM dual;-- Shows system date and current user. /* DUAL is a dummy table that allows us to interrogate system / session variables*/ |
| Concatenation | SELECT 'Today is ' sysdate FROM DUAL;-- Allows a text string to be embedded. |
| Putting apostrophes into a string | SELECT * FROM SUPPLIERS WHERE Last Name LIKE 'O''Byrne';-- Can use ' in text |
| Ordering your output. | SELECT * FROM STOCK ORDER BY UNIT PRICE; |

.# Don't forget to switch back!