# Primera etapa

set pagesize 99

set linesize 140

set colsep '|\*| '

set null s/Datos

rem [Rischert, 2004,104]

SELECT description

FROM course;

rem [Rischert, 2004,105]

SELECT description, cost

FROM course

rem [Rischert, 2004,106]

SELECT last\_name, zip

FROM instructor;

rem [Rischert, 2004,112]

COL cost FORMAT $9,999.99

SELECT DISTINCT cost

FROM course;

rem [Rischert, 2004,113]

SELECT DISTINCT cost

FROM course;

rem [Rischert, 2004,140]

SELECT description, cost, prerequisite

FROM course

WHERE cost = 1195

AND prerequisite = 20

OR prerequisite = 25;

SELECT description, cost, prerequisite

FROM course

WHERE

prerequisite = 20

OR prerequisite = 25;

rem [Rischert, 2004,141]

SELECT description, prerequisite

FROM course

WHERE description LIKE 'Intro to%'

AND prerequisite >= 140;

rem [Rischert, 2004,141]

SELECT description, prerequisite

FROM course

WHERE description LIKE 'Intro to%';

rem [Rischert, 2004,141]

SELECT description, prerequisite

FROM course

WHERE description LIKE 'Intro to%'

order by 1;

rem [Rischert, 2004,141]

SELECT description, prerequisite, cost

FROM course

WHERE prerequisite IS NULL;

rem [Rischert, 2004,142]

SELECT description, prerequisite

FROM course

WHERE description LIKE 'Intro to%'

OR prerequisite >= 140;

SELECT description, prerequisite

FROM course

WHERE description LIKE 'Intro to%'

AND prerequisite >= 140;

rem [Rischert, 2004,145]

SELECT last\_name

FROM student

WHERE zip IN ('10048', '11102', '11209');

rem [Rischert, 2004,147]

SELECT student\_id, last\_name

FROM student

WHERE last\_name BETWEEN 'W' AND 'Z';

rem [Rischert, 2004,148]

SELECT description

FROM grade\_type

WHERE description >= 'Midterm'

AND description <= 'Project';

rem [Rischert, 2004,148]

SELECT description

FROM grade\_type;

rem [Rischert, 2004,148]

SELECT last\_name, student\_id

FROM student

WHERE ROWNUM <= 10;

rem [Rischert, 2004,148]

SELECT ROWNUM, last\_name, student\_id

FROM student

WHERE ROWNUM <= 10;

rem [Rischert, 2004,152]

SELECT course\_no, description

FROM course

WHERE prerequisite IS NULL

ORDER BY description;

rem [Rischert, 2004,152]

SELECT course\_no, description

FROM course

WHERE prerequisite IS NULL

ORDER BY description DESC;

rem [Rischert, 2004,153]

SELECT course\_no, description

FROM course

WHERE prerequisite IS NULL

ORDER BY 2 DESC;

rem [Rischert, 2004,153]

SELECT first\_name first,

first\_name "First Name",

first\_name AS "First"

FROM student

WHERE zip = '10025';

rem [Rischert, 2004,153]

SELECT first\_name first, first\_name "First Name",

first\_name AS "First"

FROM student

WHERE zip = '10025'

ORDER BY "First Name";

rem [Rischert, 2004,154]

SQL> SELECT DISTINCT first\_name, last\_name

2 FROM student

3 WHERE zip = '10025'

4 ORDER BY student\_id;

rem [Rischert, 2004,158]

SELECT student\_id, last\_name

FROM student

ORDER BY last\_name;

rem [Rischert, 2004,159]

SELECT city, zip

FROM zipcode

WHERE state = 'NY'

OR state = 'CT'

ORDER BY zip;

rem [Rischert, 2004,160]

SELECT description, prerequisite

FROM course

WHERE prerequisite IS NOT NULL

ORDER BY description;

rem [Rischert, 2004,160]

SELECT description "Descr", prerequisite

FROM course

WHERE prerequisite IS NOT NULL

ORDER BY "Descr";

rem [Rischert, 2004,161]

SELECT salutation "Sal", first\_name "First Name",

last\_name "Last Name"

FROM student

WHERE last\_name = 'Grant'

ORDER BY "Sal" DESC, "First Name" ASC;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Chapter 3

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

rem [Rischert, 2004,167]

SELECT state, LOWER(state), LOWER('State')

FROM zipcode;

rem [Rischert, 2004,168]

DESCR dual;

rem [Rischert, 2004,169]

SELECT LTRIM('0001234500', '0') left,

RTRIM('0001234500', '0') right,

LTRIM(RTRIM('0001234500', '0'), '0') both

FROM dual;

rem [Rischert, 2004,170]

SELECT last\_name,

SUBSTR(last\_name, 1, 5),

SUBSTR(last\_name, 6)

FROM student;

rem [Rischert, 2004,171]

SELECT LENGTH('Hello there')

FROM dual;

rem [Rischert, 2004,172]

SELECT first\_name, last\_name

FROM student

WHERE INSTR(first\_name, '.') > 0

ORDER BY LENGTH(last\_name);

rem [Rischert, 2004,173]

SELECT first\_name,

SUBSTR(first\_name, INSTR(first\_name, '.')-1) mi,

SUBSTR(first\_name, 1, INSTR(first\_name, '.')-2) first

FROM student

WHERE INSTR(first\_name, '.') >= 3;

rem [Rischert, 2004,173]

col first\_name FORMAT a10

col mi FORMAT a4

col first FORMAT a12

SELECT first\_name,

SUBSTR(first\_name, INSTR(first\_name, '.')-1) mi,

SUBSTR(first\_name, 1, INSTR(first\_name, '.')-2) first

FROM student

WHERE INSTR(first\_name, '.') >= 3;

rem [Rischert, 2004,174]

SELECT city||', '||state||' '||zip

FROM zipcode;

rem [Rischert, 2004,175]

SELECT phone

FROM student

WHERE TRANSLATE(

phone, '0123456789',

'##########') <> '###-###-####';

rem [Rischert, 2004,177]

SELECT student\_id, last\_name

FROM student

WHERE SOUNDEX(last\_name) = SOUNDEX('MARTIN');

rem [Rischert, 2004,178]

SELECT description "Description",

INITCAP(description) "Initcap Description"

FROM course

WHERE description LIKE '%SQL%';

rem [Rischert, 2004,178]

SELECT last\_name

FROM instructor

WHERE LENGTH(last\_name) >= 6;

rem [Rischert, 2004,178]

SELECT SUBSTR('12345', 3),

SUBSTR('12345', 3, 2),

SUBSTR('12345', -4, 3)

FROM dual;

rem [Rischert, 2004,178]

SELECT zip, LTRIM(zip, '0'), RTRIM(ZIP, '4')

FROM zipcode

ORDER BY zip;

rem [Rischert, 2004,178]

SELECT TRIM('01' FROM '01230145601')

FROM dual;

rem [Rischert, 2004,178]

SELECT TRANSLATE('555-1212', '0123456789',

'##########')

FROM dual;

rem [Rischert, 2004,179]

SELECT (

LENGTH('Fred fed Ted bread, and Ted fed Fred bread.') -

LENGTH(REPLACE(

'Fred fed Ted bread, and Ted fed Fred bread.',

'ed', NULL))

) /2 AS occurr

FROM dual;

rem [Rischert, 2004,196]

SELECT 10.245, ROUND(10.245, 1), ROUND(10.245, -1)

FROM dual;

rem [Rischert, 2004,196]

SELECT ROUND(120.09, -2), ROUND(1444.44, -3)

FROM dual;

rem [Rischert, 2004,196]

SELECT DISTINCT cost, cost\*1.75, ROUND(cost\*1.75)

FROM course;

rem [Rischert, 2004,196]

SELECT DISTINCT numeric\_grade, ROUND(numeric\_grade / 2)

FROM grade;

rem [Rischert, 2004,213]

SELECT first\_name||' '|| last\_name name,

phone oldphone,

NVL(phone, '212-555-1212') newphone

FROM student

WHERE phone IS NULL;

rem [Rischert, 2004,213]

SELECT first\_name||' '|| last\_name name,

phone oldphone,

NVL(phone, '212-555-1212') newphone

FROM student

WHERE NVL(phone, 'NONE') = 'NONE';

rem [Rischert, 2004,213]

SELECT first\_name||' '|| last\_name name,

phone oldphone,

COALESCE(phone, '212-555-1212') newphone

FROM student

WHERE COALESCE(phone, 'NONE') ='NONE';

rem [Rischert, 2004,213]

SELECT course\_no, cost,

NVL(cost,1000)\*0.9 new

FROM course

WHERE course\_no >= 430;