

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
```

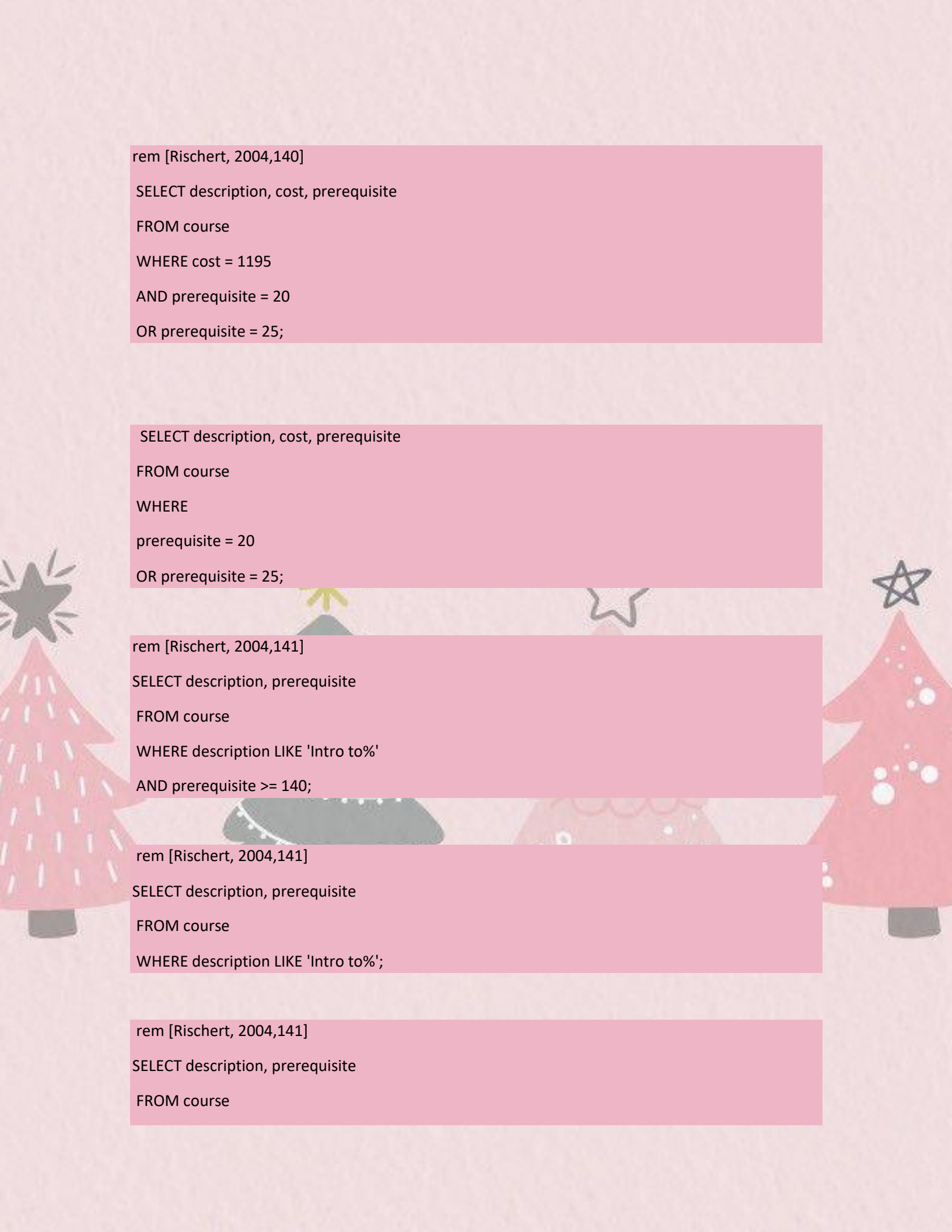
```
SELECT DISTINCT cost
```

```
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;
```

