```
#ALTER
                                                                     FROM(
ALTER TABLE table_name
                                                                      SELECT BOOKID, BOOKNAME
ADD column_name datatype;
                                                                      FROM BOOK
ALTER TABLE table name
                                                                      UNION ALL
DROP COLUMN column name;
                                                                      SELECT BORROW.BOOKID, BOOK.BOOKNAME
My SQL / Oracle (prior version 10G):
                                                                      FROM BORROW
ALTER TABLE table name
                                                                        INNER JOIN BOOK on BOOK, BOOKID = BORROW, BOOKID
MODIFY COLUMN column name datatype;
Oracle 10G and later:
                                                                     GROUP BY BOOKID, BOOKNAME
ALTER TABLE table name
                                                                     ORDER BY BOOKID;
MODIFY column_name datatype;
                                                                     select 'i like' || type column || ' with'
CREATE TABLE employee (
                                                                     ect....
 emp_id INT,
 first name VARCHAR(40),
                                                                     #Other important keywords
 super_id INT,
                                                                     LEFT OUTER JOIN, MIN, MAX, AVG, SUM
 branch_id INT,
                                                                     WITH a AS
 CONSTRAINT pk_employee PRIMARY KEY (emp_id),
                                                                       ( SELECT name, birthdate, YEAR(birthdate) AS birthyear
 CONSTRAINT fk_employee_employee FOREIGN KEY (super_id)
                                                                        FROM persons
                                                                        WHERE birthdate >= '1950-01-01' AND birthdate <
  REFERENCES employee(emp_id) ON DELETE SET NULL
                                                                     '1960-01-01'
);
                                                                       )
                                                                     , b AS
                                                                       ( SELECT birthyear, COUNT(*) AS cnt
CREATE TABLE branch(
                                                                        FROM a
 branch id INT,
                                                                        GROUP BY birthyear
 branch name VARCHAR(40),
                                                                     SELECT a.name, a.birthdate, b.cnt AS number_of_births
 mgr id INT,
                                                                     FROM a JOIN b
 mgr_start_date DATE,
                                                                      ON a.birthyear = b.birthyear
                                                                     WHERE MONTH(a.birthdate) = 7;
 CONSTRAINT pk_branch PRIMARY KEY (branch_id),
 CONSTRAINT fk_branch_employee FOREIGN KEY (mgr_id)
   REFERENCES employee(emp_id) ON DELETE SET NULL);
                                                                     SELECT DISTINCT column1, column2, ...
ALTER table employee
                                                                     FROM table name;
ADD CONSTRAINT fk_employee_branch FOREIGN KEY (branch_id)
                                                                     ELECT * FROM Customers
REFERENCES branch(branch id)
                                                                     ORDER BY Country ASC, CustomerName DESC;
ON DELETE SET NULL;
                                                                     WHERE column name IS NULL;
INSERT INTO Teacher (Tcode, TFName, TLName) VALUES ('T04', 'อภิศักดิ์'
                                                                     WHERE column name IS NOT NULL;
'พัฒนจักร');
INSERT INTO Borrow VALUES(1, '623021039-4'
                                                                     UPDATE table name
TO DATE('24/2/2015','DD/MM/YYYY'), TO DATE('25/2/2015','DD/MM/YYYY'));
                                                                     SET column1 = value1, column2 = value2,
CREATE VIEW LAB6 BookBorrow AS
                                                                     WHERE condition;
```

SELECT BOOKID, BOOKNAME, COUNT(*) - 1 Amount

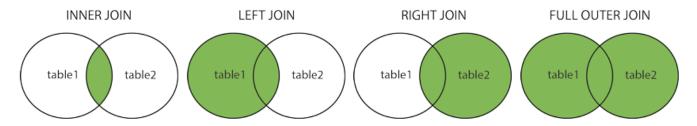
WHERE CustomerName='Alfreds Futterkiste';

```
SELECT column_name(s)
FROM table name
WHERE ROWNUM <= number;
SELECT MIN(column name) #MAX
FROM table name
WHERE condition;
SELECT column1, column2, ...
FROM table name
WHERE columnN LIKE pattern;
SELECT column name(s)
FROM table name
WHERE column name IN (value1, value2,
...);
SELECT * FROM Customers
WHERE Country IN (SELECT Country FROM Su
ppliers);
SELECT column name(s)
FROM table name
WHERE column name BETWEEN value1 AND val
ue2;
SELECT OrderID, Quantity,
CASE
    WHEN Quantity > 30 THEN 'The
quantity is greater than 30'
    WHEN Quantity = 30 THEN 'The
quantity is 30'
    ELSE 'The quantity is under 30'
END AS QuantityText
FROM OrderDetails;
SELECT Employees.LastName, COUNT(Orders.
OrderID) AS NumberOfOrders
FROM (Orders
INNER JOIN Employees ON Orders. EmployeeI
D = Employees.EmployeeID)
GROUP BY LastName
HAVING COUNT(Orders.OrderID) > 10;
```

ALTER TABLE table_name
ADD column name datatype;

ALTER TABLE table_name
DROP COLUMN column name;

- (INNER) JOIN: Returns records that have matching values in both tables
- LEFT (OUTER) JOIN: Returns all records from the left table, and the matched records from the right table
- RIGHT (OUTER) JOIN: Returns all records from the right table, and the matched records from the left table
- FULL (OUTER) JOIN: Returns all records when there is a match in either left or right table



The general usage of TO_CHAR is:					
TO_CHAR(<date>, '<format>')</format></date>					
where the <format> string can be formed from over 40 options. Some of the more popular ones include: , for example.</format>					
MM	Numeric month (e.g., 07)				
MON	Abbreviated month name (e.g., JUL)				
MONTH	Full month name (e.g., JULY)				
DD	Day of month (e.g., 24)				
DY	Abbreviated name of day (e.g., FRI)				
YYYY	4-digit year (e.g., 1998)				
YY	Last 2 digits of the year (e.g., 98)				
RR	Like YY, but the two digits are ``rounded" to a year in the range 1950 to 2049. Thus, 06 is considered 2006 instead of 1906				
AM (or PM)	Meridian indicator				
НН	Hour of day (1-12)				
HH24	Hour of day (0-23)				
MI	Minute (0-59)				
SS	Second (0-59)				

Operator	Description			
ALL	เปรียบเทียบข้อมูลภายในชุดทั้งหมดระหว่าง 2ชุด			
AND	เชื่อมเงือนตั้ง 2 เงือนไขขึ้นไป ต้องเป็นจริงทั้งหมดถึงจะจริง			
ANY	เปรียบเทียบข้อมูลกับชุดข้อมูล โดยถ้ามีอย่างน้อย l ค่าที่เหมือนกัน จะมีค่าเป็นจริง			
BETWEEN	เปรียบเทียบข้อมูลว่าอยู่ระหว่างค่าต่ำสุด และ สูงสุด			
EXISTS	เปรียบเทียบข้อมูลว่ามีปรากฏอยู่ในแถวที่กำหนด			
IN	เปรียบเทียบข้อมูลกับชุดข้อมูล โดยถ้ามีอย่างน้อย l ค่าที่เหมือนกัน จะมีค่าเป็นจริง			
LIKE	เปรียบเทียบข้อมูลว่าเป็นส่วนประกอบภายในข้อมูลอีกค่าหนึ่ง			
NOT	เงือนไขปฏิสธ			
OR	เชื่อมเงือนตั้ง 2 เงือนไขขึ้นไป ถ้าเป็นจริงอันหนึ่งทั้งหมดจะเป็นจริง			
IS NULL	ตรวจสอบค่าว่าง			
LINIOLIE				

LIKE Operator	Description		
WHERE CustomerName LIKE 'a%'	Finds any values that start with "a"		
WHERE CustomerName LIKE '%a'	Finds any values that end with "a"		
WHERE CustomerName LIKE '%or%'	Finds any values that have "or" in any position		
WHERE CustomerName LIKE '_r%'	Finds any values that have "r" in the second position		
WHERE CustomerName LIKE 'a_%'	Finds any values that start with "a" and are at least 2 characters in length		
WHERE CustomerName LIKE 'a%'	Finds any values that start with "a" and are at least 3 characters in length		
WHERE ContactName LIKE 'a%o'	Finds any values that start with "a" and ends with "o"		

```
SELECT SupplierName
FROM Suppliers
WHERE EXISTS (SELECT ProductName FROM Products WHERE
Products.SupplierID = Suppliers.supplierID AND Price < 20);
SELECT column_name(s)
FROM table_name
WHERE column_name operator ANY | ALL
(SELECT column_name FROM table_name WHER
E condition);
Note: The operator must be a standard comparison operator (=, <>, !=, >, >=, <,
or <=).
CREATE USER ucs2
IDENTIFIED BY p123
DEFAULT TABLESPACE users
TEMPORARY TABLESPACE temp
QUOTA UNLIMITED ON users;
//ให สิทธิ์
```

GRANT resource, connect To ucs2;

GRANT <prib/rol> TO <myUser>