SYNTAX TABLE

```
ALTER TABLE table column_clauses;
 column_clauses:
   ADD (column datatype [DEFAULT expr] [column_constraint(s)] [,…] )
   DROP COLUMN column   [CASCADE CONSTRAINTS]
   MODIFY column datatype [DEFAULT expr] [column_constraint(s)]
   RENAME COLUMN column TO new_name
ALTER TABLE table constraint_clause [,…];
constraint_clause:
   DROP PRIMARY KEY [CASCADE] [{KEEP|DROP} INDEX]
   DROP UNIQUE (column [,…]) [{KEEP|DROP} INDEX]
   DROP CONSTRAINT constraint [CASCADE]
   MODIFY CONSTRAINT constraint constrnt_state
   MODIFY PRIMARY KEY constrnt_state
   MODIFY UNIQUE (column [,…]) constrnt_state
   RENAME CONSTRAINT constraint TO new_name
COMMIT
CASE [ expression ]
   WHEN condition_1 THEN result_1
   WHEN condition_2 THEN result_2
   WHEN condition_n THEN result_n
   ELSE result
END
Conditions:=,>,<,>=,<=,<>, BETWEEN .. AND.., IN (list),IS NULL, IS NOT NULL,
LIKE
CREATE TABLE table ( column datatype [DEFAULT expr] [column_constraint(s)[,…]]
[,column datatype [,…]]
         [table_constraint [,…]])
Datatypes:   [CHAR [(n)] | VARCHAR2(n) | NUMBER [ n,p] | DATE | DATETIME]
Constraints: {[NOT NULL | UNIQUE | CHECK | PRIMARY KEY | FOREIGN KEY coltable1
        FOREIGN KEY REFERNECES table2(coltable2)]}
CREATE VIEW view_name AS
  SELECT columns
  FROM tables
  [WHERE conditions];
DELETE FROM tablename WHERE condition
DROP [TABLE tablename|DROP VIEW viewname]
INSERT INTO tablename (column-name-list) VALUES (data-value-list)
Logical operators:  AND, OR, NOT
ROLLBACK
SELECT [DISTINCT] select_list
      FROM table_list
         [WHERE conditions]
               [GROUP BY group_by_list]
                  [HAVING search_conditions]
                     [ORDER BY order_list [ASC | DESC]]
SELECT
      ... FROM table1 LEFT JOIN table2
         ON table1.field1 compopr table2.field2 | USING clause
      ... FROM table1 RIGHT JOIN table2
         ON table1.field1 compopr table2.field2 | USING clause
      ... FROM table1 INNER JOIN table2
         ON table1.field1 compopr table2.field2| USING clause
Key
   table1, table2   The tables from which records are combined.
   field1, field2   The fields to be joined.
   compopr          Any relational comparison operator: =  <  >  <=  >=  or  <>
```

SYNTAX TABLE

SELECT expression1, expression2, ... expression_n
FROM tables [**WHERE** conditions]
UNION
SELECT expression1, expression2, ... expression_n
FROM tables [**WHERE** conditions];

SELECT expression1, expression2, ... expression_n
FROM tables [**WHERE** conditions]
INTERSECT
SELECT expression1, expression2, ... expression_n
FROM tables [**WHERE** conditions];

SELECT expression1, expression2, ... expression_n
FROM tables [**WHERE** conditions]
MINUS
SELECT expression1, expression2, ... expression_n
FROM tables [**WHERE** conditions];

UPDATE ***tablename***
[SET ***column-name= <data-value>*****] [WHERE** ***condition*****]**

ORACLE FUNCTIONS
Null Handling Functions: NVL, NVL2, NULLIF, COALESCE, CASE, DECODE.
Case Conversion functions - Accepts character input and returns a character value: UPPER, LOWER and INITCAP.
Character functions - Accepts character input and returns number or character value: CONCAT, LENGTH, SUBSTR, INSTR, LPAD, RPAD, TRIM and REPLACE.
Date functions - Date arithmetic operations return date or numeric values: MONTHS_BETWEEN, ADD_MONTHS, NEXT_DAY, LAST_DAY, ROUND and TRUNC.
Group Functions: SUM([ALL | DISTINCT] expression); AVG([ALL | DISTINCT] expression); COUNT([ALL | DISTINCT] expression); COUNT(*); MAX(expression);MIN(expression)
Number functions – accept numerical input and return number output – ROUND, TRUNC, MOD
Formatting: TO_CHAR(value [, format_mask])| TO_DATE(string1 [, format_mask]) | TO_NUMBER(string1 [, format_mask] [, nls_language])

Formats: Year, year spelled out; YYYY 4-digit year; YY 2-digit year;
MM Month (01-12; JAN = 01); MON Abbreviated name of month; MONTH Name of month, padded with blanks to length of 9 characters;
WW Week of year (1-53) where week 1 starts on the first day of the year and continues to the seventh day of the year; W Week of month (1-5) where week 1 starts on the first day of the month and ends on the seventh;
D Day of week (1-7); DAY Name of day; DD Day of month (1-31);
HH Hour of day (1-12); MI Minute (0-59); SS Second (0-59);
9 Represents a number; 0 Forces a zero to be displayed; $ Places a floating dollar sign; U Local currency sign;
. Prints a decimal point; , Prints a comma as thousands indicator