

## B) Numeric Data types in Oracle

### 1) Number(p,s)

=> Number data types is used to store numeric values

=> Here p stands for precision and s stands for scale

=> Range of precision is from 1 to 38

=> Range of scale is -84 to 127

Examples

emp\_salary number(10) ✓


emp\_salary number(10,2) ✓

emp\_salary number ✓

Note: above three declarations are valid.

### 2) FLOAT(p)

It is a subtype of the NUMBER data type. The precision p can range from 1 to 126.

discount float(5)  Example

### C) Date and Time Data type in Oracle

#### 1) DATE

It is used to store a valid date-time format with a fixed length.

Its range varies from January 1, 4712 BC to December 31, 9999 AD.

#### 2) TIMESTAMP

It is used to store the valid date in **YYYY-MM-DD** with time **hh:mm:ss** format.

### Large Object Data Type (LOB) used in Oracle

#### 1) BLOB : It is used to store unstructured binary data.

Its range is  $2^{32} - 1$  to 4 GB

#### 2) BFILE : It is used to store binary data in an external file

Its range is  $2^{32} - 1$  to 4 GB

#### 3) CLOB It is used to store single byte character data

Its range is  $2^{32} - 1$  to 4 GB

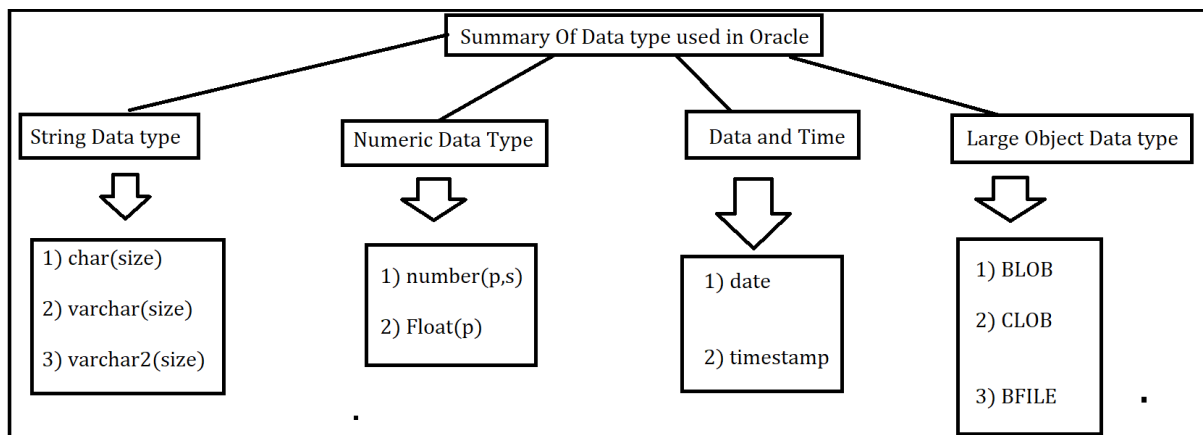
$$2^1 \Rightarrow 2$$

$$2^2 \Rightarrow 2 \times 2 \Rightarrow 4$$

$$2^3 \Rightarrow 2 \times 2 \times 2 \Rightarrow 8$$

$$2^4 \Rightarrow 2 \times 2 \times 2 \times 2 \Rightarrow 16$$

$$2^{32} \Rightarrow 2 \times 2 \times \dots \times 2 \text{ } 32 \text{ times}$$

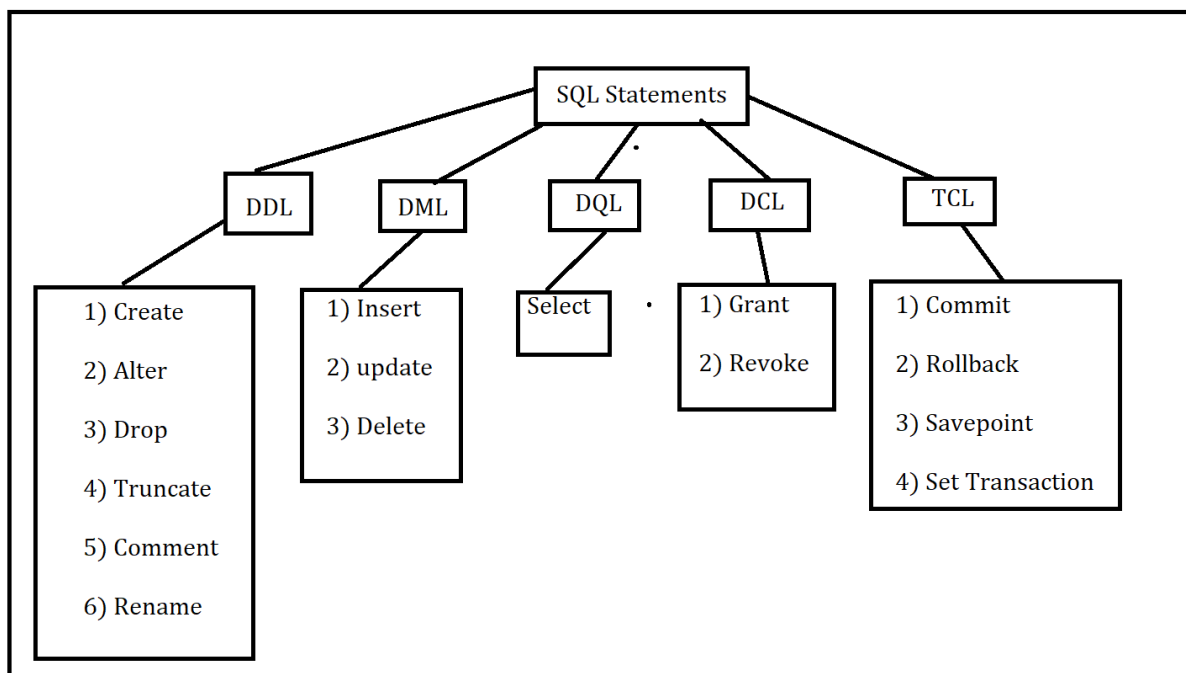


## SQL Statement

In SQL all statements are divided into 5 groups

- 1) DDL -(Data Defination Language )
- 2) DML -(Data Manipulation Language)
- 3) DQL -(Data Query Language)
- 4) DCL ( Data Controll Language)
- 5) TCL ( Transaction Controll Language)

Classification of SQL statements



Q. Interview questions on SQL statement

- 1) Tell DDL commands
- 2) Tell DML commands
- 3) Tell DQL commands
- 4) Tell DCL commands
- 5) Tell TCL commands

Q. What is difference between delete and drop?

Q. What is difference between delete and truncate?

Q. What is difference between delete, drop and truncate?