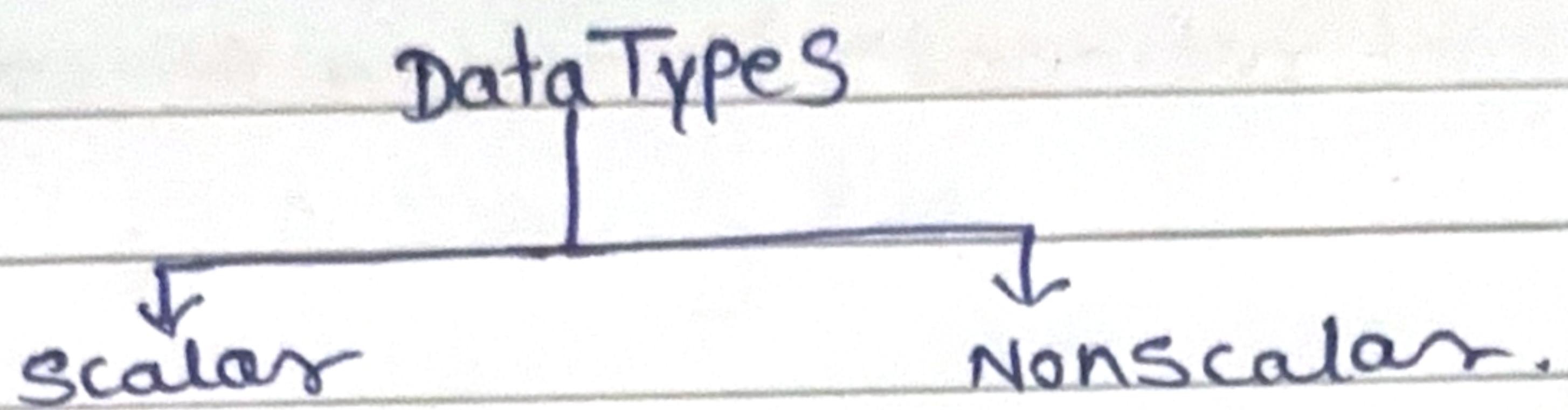


# LEARN ORACLE STORED PROCEDURE



## ① Scalar Types

① NUMBER :- A numeric value with a Specified precision & scale.

② VARCHAR2 :- A Variable-length character String.

③ CHAR :- A fixed-length character String.

④ DATE :- A date & time Value.

⑤ TIMESTAMP :- A timestamp-value that includes fractional seconds.

⑥ Interval :- A time interval.

Range:- Up to 99 years 11 months , 31 days ,  
23 hours , 59min & 59seconds .

- ⑦ BLOB :- A binary large object (upto 4GB)
  - ⑧ CLOB :- A character large object (upto 4GB)
  - ⑨ NCLOB :- A national character large object
  - ⑩ BFILE :- A binary file.

# NonScalar Types ..

- ① VARRAY :- A Variable-Size array
  - ② Nested Table :- A table that is stored within another table
  - ③ Associative Array :- A set of Key-Value pairs.

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Date in oracle.

① SELECT SYSTIMESTAMP FROM DUAL;

\* ISO Format (YYYY -MM - DD )

```
① SELECT To-char(Systimestamp , 'YYYY-MM-DD')  
      from Dual ;
```

Formats :- MM/DD/YYYY

MONTH YYYY

DD. MM. YYYY

HH:MI:SS PM → Time

DD-MON-YYYY

## \* use of DUAL

① can use DUAL to select a constant value.

ex:- select 'Hello' from DUAL;

② Generating a Sequence number.

ex-Select MY\_SEQUENCE.NEXTVAL From DUAL.

③ Creating a Dummy row

ex:- Select 1 from Dual;

\* How to Create a Sequence & How to use

ex

    Name

create sequence employee\_id\_seq Start  
with 1 increment by 1;

Insert into ~~emp~~ employee ( Id , Name, Email )

values (employee\_id\_seq.nextval , 'Sumit', 's@gmail.com');

\* Write a Store Procedure in oracle.

\* Insert stored procedure.

CREATE OR REPLACE insert\_employee

c

p-employee-id IN Number,

p-employee-name IN Varchar2 ,

p-employee-Salary IN Number

)

AS

BEGIN

Insert into employees (e-id, e-name, e-Salary)

values (p-employee-id, p-employee-name, p-employee-Salary);

END insert\_employee;

\*

✓✓✓✓

\* Select procedure

CREATE OR REPLACE PROCEDURE get\_employee(

P\_employee\_id IN ~~VARCHAR~~ NUMBER,  
P\_cursor OUT SYS\_REFCURSOR )

AS

BEGIN

OPEN P\_cursor FOR

Select emp\_name

from employee

where employee\_id = P\_employee\_id;

END get\_employee;