29 November 2024 16:12

NUMBER(PRECISION,[SCALE]) DATATYPE.

NUMBER :- WILL ACCEPT NUMARIC TYPE OF DATA

0	10	3.5	3/4	1½
1				
2	100	4.72		3½
3	999		2/1	
4	5242	5.97		3½
5			½	
6	47788	6.471		6⅑
7				
8	521489	7.5217		5¼
9				

NUMERIC

PRECISION :-

PRECISION WILL ACCEPT DIGIT TYPE OF DATA.

[0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

→ PRECISION IS MANDATORY

SCALE :-

SCALE JOB IS TO GIVE THE DECIMAL POINT.

→ SCALE BY DEFULT VALUE IS ZERO.

→ SCALE IS OPTIONAL

NOTE POINT :-

NUMBER(PRECISION,[SCALE])

WILL ACT'S FROM RIGHT SIDE TO LEFTSIDE

CHAR(10)
VARCHAR(12)
VARCHAR2(13)

NUMBER(PRECISION,[SCALE])

0 1 2 3 4 5 6 7 8 9

M.M EDIBA

NUMBER(11)

7777

5 5 5 5 5 5 5 5 5 5 5

NUMBER(4)

5 5 5 5

NUMBER(4)

5 5 5 5

999 NUMBER(4)

7 7 7 7

NUMBER(3)

2975 9 9 9

NUMBER(4)

2 9 7 5

9982149783

NUMBER(10)

9 9 8 2 1 4 9 7 8 3

NUMBER(PRESION, [SCALE])

MARKER 129.72

NUMBER(5, 2)

P > S

EX:-5

1 2 9 . 7 2

NUMBER(4, 2)

P > S

62.72

5 5 . 5 5

NUMBER(4, 2)

P > S

EX:-8

6 2 . 7 2

NUMBER(5, 9)

P < S

- 0 0 0 0 8 8 8 8 8

NUMBER(4, 7)

NUMBER (4, 7)
P < S

• 0 0 0 8 8 8 8

109.52

NUMBER (5, 2)
P > S

6304 8412
9442

1 0 9 . 5 2

NUMBER (12)

6 3 0 4 8 4 1 2 9 1 4 2

– 109 72

(2 5)
P < S

NUMBER (

99999 • 0 0 0 7 2

NUMBER (4,5)

+ 0 0 0 7 2

NUMBER (5, 2)

9 9 9.9 9

LARGE OBJECTS

→ CHARACTER LARGE OBJECT (CLOB)

→ BINEARY LARGE OBJECT (BLOB)

BINEARY LARGE OBJECT WILL ACCEPT 'A-Z', 'a-z', '0-9'
SPECIAL CHARACTES ($, @, *, #, _, - etc)
ALPHANUMARIC 'ABC123'

→ WHENEVER WE USE BINARY-
LARGE OBJECT WE SHOULD PROVIDE

→ WHENEVER WE USE BINARY LARGE OBJECT WE SHOULD PROVID SINGE QOUTES(' ')

→ BLOB IS USED TO STORE UPTO 4GB OF DATA. IN BINARY FORMAT

SYNTAX:-

BLOB

0	1	0
0	0	1
1	1	0
0	0	1

CONSTRAINTS :-

CONSTRAINT ARE THE RULES AND RESTRACTIONS GIVE TO THE COLUMN.

→ UNIQUE CONSTRAINT

→ NOT NULL CONSTRAINT

→ CHECK CONSTRAINT

→ PRIMARY KEY CONSTRAINT

→ FOREIGN KEY CONSTRAINT.

NOTEPOINT :-

DATATYPES ARE MANDATORY

CONSTRAINT ARE OPTIONAL

→ UNIQUE CONSTRAINT :-

UNIQUE CONSTRAINT AVOIDS THE REPATE VALUES IN THE COLUMN.

REPATE MEAN MORE THAN ONE TIME DUPLICATE

AADHAR

AADHAR_ID NUMBER(12) UNIQUE
6301 8214 8219
6301 8214 8218

NOT NULL :-

NOT NULL AOVID THE NULL VALUE IN THE COLUMN(S)

NULL | BLANK SPACE

AADHAR

AADHAR_ID NUMBER(12) UNIQUE NOT NULL	A_NAME VARCHAR2(14) NOT NULL	GENDER CHAR(6) NOT NULL
8142 6301 6712	NIBBA	MALE
8142 6301 6711	NIBBA	MALE

CHECK CONSTRAINT :-

CHECK IS USED FOR EXTRA VALIDATION.

CHECK IS USED FOR EXTRA VALIDATAION.

→ CHECK IS USED FOR NUMARIC TYPE OF DATA.

SYNTAX:-

```
CHECK (LENGTH (COLUMN_NAME) = SIZE);
```

0-9-1

10-99-2

100-999-3

1000-9999-4

AADHAR

A_ID NUMBER(12) UNIQUE NOT NULL CHECK (LENGTH (A_ID) =12)	A_NAME VARCHAR(12) NOT NULL	GENDER NOT NULL	DOB DATE NOT NULL
8142 63014 878	CHAPRI	MALE	14 NOV 2000
8142 63014 8—	CHAPRI	MALE	14NOV200

PRIMARY KEY

PRIMARY KEY IS USED TO Identify THE RECORDS UNIQUELY FROM THE PARICULAR TABLE

PROPERTIES OF PRIMARY KEY

Properties of Primary key

Primary key is combination of Unique Constraint and Not null Constraint.

→ We can have only one Primary key in a table

→ Primary will not Accept Repate Data/values and Null values in the column

Because Primary key is combination of Unique Constraint and Not null Constraint.