# Virus Anti-Virus

1. SUBSTR (string, start\_position, [length] ) (oracle specific)
2. INSTR(String,'char\_Search','position from where start searching','occurance')
3. create table tab14

(A int,

B int,

C int Check(C > B)

);

Error: Column check constraint cannot reference other columns

1. create table tab13

(A int, B int, C int, D int,

Primary Key(A,B)

);

Works Fine (A,B) are now composite primary key (While creating Composite Keys Table Constraint is mandatory)

1. DDL -- Create, Alter, Drop, Modify, Enable, Disable, Add
2. DML -- Insert, Update, Delete, Merge
3. DRL or DQL -- Select, etc.
4. TCL -- Commit, Rollback and Savepoint.
5. DCL -- Grant, Revoke
6. Select 6 + 7 from Dual; will give solution 13
7. Select 6 + 7 from emp;

will give 13 ( 14 times)…as it have 14 rows.

1. Select Ename || ' ' || Job as "Details" From Emp;

Will concat

1. NVL is OS function to replace a null value with a not null value or an expression (expr).

NVL(a,b), if 'a' is NULL then return 'b' else return 'a'

1. NVL2(a,b,c), if 'a' is not null then return 'b' else return 'c'.
2. COALESCE : Return first not null expression in the expression list.

SELECT COALESCE (NULL, 20, NULL);

1. NULLIF : Compares two expressions and returns null if they are equal,returns the first expression if they are not equal.

Select NULLIF(expr1, expr2);

1. For switch case and if else if case refer to assignments question DQL and DDL for constraint.

Syntax:

Case ColumnName

When Value1 Then St1

When Value2 Then St2

................

...............

[Else

Stn]

End [as alias]

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2) Case acting as If ... Else If .. Else

Syntax:

Case

When Boolean Condition1 Then St1

When Boolean Condition2 Then St2

......................

.......................

[Else

Stn]

End [as alias]

Example:

Select Ename, Sal, Case

When Sal >= 4000 then sal + sal\*0.3

When Sal >= 2700 then sal + sal\*0.4

When Sal >= 2100 then sal + sal\*0.45

When Sal >= 1500 then sal + sal\*0.5

Else

Sal + 500

End as "Salary hike"

From emp;

1. Char: Fixed Length, default size is 1 if not mentioned, 2000 size
2. Varchar or Varchar2: Varying length, No default size, 4000 size