

Special Operators :-

- * IN
- * NOT IN
- * BETWEEN
- * NOT BETWEEN
- * IS
- * IS NOT
- * LIKE
- * NOT LIKE

IN operator

IN operator is multi value operator which can accept multiple values at R.H.S and compares with single value at L.H.S

IN operator is used instead of equal.

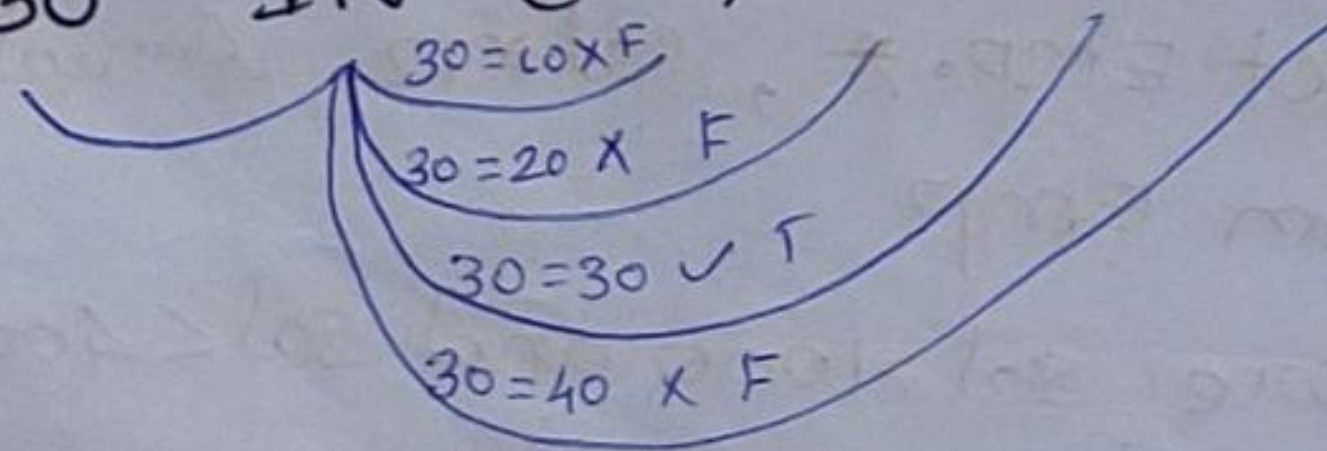
IN operator returns true if any one of the condition at the R.H.S are satisfied

SYNTAX : Column name / Expression \in IN ($V_1, V_2, V_3, \dots, V_n$);

Example :

Dept no

30 IN (10, 20, 30, 40)



Any one can True ~~to the~~

WQRTD details of Employee working in dept
10 or 20 or 30 or 40

Select *

From Emp

Where deptno IN (10, 20, 30, 40);

WQRTD details of the Employee working as
Clerk or Manager and earning less than 3000.

Select *

From Emp

Where

WQRTD details of the Employee along with annual
Salary who works as Analyst in Dept 10 or
20 or 30

Select Emp.*, Sal*12 Annual-Sal

From Emp

Where Job = 'ANALYST' And

Deptno IN (10, 20, 30);

(or)

Where Job IN 'ANALYST' And

Deptno IN (10, 20, 30);

NOT IN operator

NOT IN operator work similar to IN
operator. But Instead of selecting it reject the
value.

SYNTAX : Columnname / Expression NOT IN (v₁, v₂, v₃, ... v_n);

Example:

WQTD Details of the Employee Except the
Employee working as Clerk or Analyst

Select *

From Emp

Where Job NOT IN ('CLERK', 'ANALYST');

WQTD Emp name who work as manager
or president but not in the dept
20 or 40

Select Ename

From Emp

Where Job IN ('MANAGER', 'PRESIDENT')

And ~~NOT IN~~
Dept NO NOT IN (20, 40);

BETWEEN Operator:

Between operator is used whenever
we have range of values (it has starting
point and ending point)

Here we can't interchange
the ranges.

SYNTAX: Column/Expression BETWEEN lowrange
And highrange;

Sal BETWEEN 1000 And 3000 ;

1250 $\overset{T}{1250} \geq 1000 \checkmark$

$\overset{T}{1250} \leq 3000 \checkmark$

WANT details of the Employee who's salary is in the range of 1000 and 3000

Select *

From Emp

where Sal BETWEEN 1000 And 3000 ;

WANT Name of the Employee earning between 6000 and 4000

~~select~~ Select ename

From Emp

~~where Sal BETWEEN 1000 And 4000 ;~~

where Sal BETWEEN 1001 And 3999 ;

WANT details of the Employee hired during 81 to 85

Select *

From Emp

where hiredate Between '01-JAN-81' And '31-DEC-85' ;

WANT details of the Employee hired during 81

select *

From Emp

where hiredate Between '01-JAN-81' And '31-DEC-81' ;

WAGTD Details of the Employee hired
between 81 and 87

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Select *  
From Emp  
Where hiredate between  
'01-JAN-82' And '31-DEC-86';
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WAGTD Details of the Employee hire during
81 and working in dept 10 or 20

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Select *  
From Emp  
Where hiredate between '01-Jan-81'  
and '31-Dec-81' And Dept no IN  
(10, 20);
```

NOT BETWEEN operator:

NOT BETWEEN operator works similar
to between operator but instead of selecting
it reject the value.

SYNTAX: Column / Expression NOT BETWEEN
lower range And higher range

WAGTD Details of the Employee Except the
Employee who's sal is range of 2000
and 5000

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Select *  
From Emp  
Where sal NOT BETWEEN 2000 and 5000;
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