

Q WAO TD Enume and Sal of emp who is getting Salary 5000.

Select Enume, Sal from emp where Sal = 5000.
ON AOTD Enume and hire-date of emp who hired after 17-dec-80.

Select Enume, hire-date from emp where hire-date > 17-dec-80;

~~Q~~ Q WAO TD Enume and hire-date of emp who hired before 20-feb-81

Select Enume, hire-date from emp where hire-date < '20-feb-81';

WAO TD
80. Select Ename and hire-date from emp where hire-date > '31-Dec-80';

WAO TD
87. Ename and hire-date of emp who hired before

Select Ename ~~and~~, hire-date from emp where hire-date < ~~'01-Jan-87'~~ '01-Jan-87';

After > - '31-Dec-80'
before < - '01-Jan-87'

WAO TD job, depno who is working as a salesman and they are working in depno 30.

Select job, depno from emp where job = 'salesman' AND dep = 30;

Operators | "There are 7 types of operators in SQL"

- ① Arithmetic Operator (+, -, ~~;~~)
- ② Concatenation operator (||)
- ③ Relational operator (>, <, ≥, ≤)
- ④ Comparison operator (=, !=, or <>)
- ⑤ Logical operator $\begin{cases} \rightarrow \text{AND} \\ \rightarrow \text{OR} \\ \rightarrow \text{NOT} \end{cases}$
- ⑥ Special operator (In, NOT In, Between, Not-Between, IS, IS-Not, Like, Not-Like)
- ⑦ SubQuery operator (All, Any Exist, Not Exist)

① Arithmetic operation: WAO TD Ename of emp and sal. with the hike of 5%.

Select Ename, sal ~~from~~ $\left(\frac{5}{100} * \text{sal} \right)$ from emp.

② Concatenation operation: It is used to join the two strings.
eg: Select 'MR' || Ename from emp where Ename = 'King'
output: MR King

③ Relational operation:

WANTO Name and annual Sal of emp who is getting annual salary more than or equal 9600

Select Ename, & 12 * Sal from emp where
 $12 * Sal \geq 9600$;

④ Comparison operation: It is used to compare the values
eg: WANTO name and deptno of emp who is not working in a deptno 30

Select Ename, deptno from emp where
deptno \neq 30; OR deptno \neq 30;

⑤ Logical operation: Logical operator is used pass the multiple condⁿ inside the where clause.

Type of Logical operation: (a) AND (b) OR (c) NOT

⑥ AND: AND operation returns true if both the condⁿ are Satisfied.
eg: WANTO deptno and job of emp who is working as a Salesman and they are working in a deptno 30.

eg: WANTO job and deptno who is working as Salesman in deptno = 30

Select job, deptno

from emp

where job = 'Salesman' AND deptno = 30;

eg: WANTO job and deptno who is working as manager in deptno = 20

Select job, deptno from emp where job = 'manager' AND deptno = 20;

Q. WAO TD Ename, job, sal and hire-date of Emp who is working as a clerk and getting salary-950 Rs and they hired on 03-dec-81.

hire-date
Select Ename, job, sal from Emp where job='clerk' AND sal = 950) ~~AND~~ AND hire date = '03-dec-81';

(b) OR-operator: OR operator returns true if any one of the condⁿ is true satisfied.

eg: WAO TD Ename, job and dept no of Emp who is working as a clerk OR working in dept no 10

Select Ename, job, dept no from Emp where job='clerk' OR dept no = 10;

(c) Not operator: Not operator is an inverse operator

WAO TD name & job of Emp who is not working as Salesman

Select Ename, job from Emp where NOT job = 'Salesman';

eg: WAO TD Ename who is working in dept no = 143 and working as a president OR getting salary < 50) ~~and~~ And they hired before 14-Feb-1947 or whose Emp no is 7902

Ans:
$$\text{Select Ename}^{\text{12*Sal} - \left(\frac{2}{100} * \text{Sal}\right)} \text{ from Emp where } (\text{dept no} = 143 \text{ AND job} = \text{'president'}) \text{ OR } (\text{Sal} < 50 \text{ AND hire-date} = \text{'14-Feb-1947'}) \text{ AND } (\text{Emp no} = 7902).$$
 ~~Sal < 50~~ and getting Annual salary with the deduction of 2%.