

SQL - LOGICAL OPERATORS

<http://www.tutorialspoint.com/sql/sql-logical-operators.htm>

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Consider the CUSTOMERS table having the following records:

```
SQL> SELECT * FROM CUSTOMERS;
```

ID	NAME	AGE	ADDRESS	SALARY
1	Ramesh	32	Ahmedabad	2000.00
2	Khilan	25	Delhi	1500.00
3	kaushik	23	Kota	2000.00
4	Chaitali	25	Mumbai	6500.00
5	Hardik	27	Bhopal	8500.00
6	Komal	22	MP	4500.00
7	Muffy	24	Indore	10000.00

7 rows in set (0.00 sec)

Here are simple examples showing usage of SQL Comparison Operators:

```
SQL> SELECT * FROM CUSTOMERS WHERE AGE >= 25 AND SALARY >= 6500;
```

ID	NAME	AGE	ADDRESS	SALARY
4	Chaitali	25	Mumbai	6500.00
5	Hardik	27	Bhopal	8500.00

2 rows in set (0.00 sec)

```
SQL> SELECT * FROM CUSTOMERS WHERE AGE >= 25 OR SALARY >= 6500;
```

ID	NAME	AGE	ADDRESS	SALARY
1	Ramesh	32	Ahmedabad	2000.00
2	Khilan	25	Delhi	1500.00
4	Chaitali	25	Mumbai	6500.00
5	Hardik	27	Bhopal	8500.00
7	Muffy	24	Indore	10000.00

5 rows in set (0.00 sec)

```
SQL> SELECT * FROM CUSTOMERS WHERE AGE IS NOT NULL;
```

ID	NAME	AGE	ADDRESS	SALARY
1	Ramesh	32	Ahmedabad	2000.00
2	Khilan	25	Delhi	1500.00
3	kaushik	23	Kota	2000.00
4	Chaitali	25	Mumbai	6500.00
5	Hardik	27	Bhopal	8500.00
6	Komal	22	MP	4500.00
7	Muffy	24	Indore	10000.00

7 rows in set (0.00 sec)

```
SQL> SELECT * FROM CUSTOMERS WHERE NAME LIKE 'Ko%';
```

ID	NAME	AGE	ADDRESS	SALARY
6	Komal	22	MP	4500.00

1 row in set (0.00 sec)

```
SQL> SELECT * FROM CUSTOMERS WHERE AGE IN ( 25, 27 );
```

ID	NAME	AGE	ADDRESS	SALARY
2	Khilan	25	Delhi	1500.00
4	Chaitali	25	Mumbai	6500.00
5	Hardik	27	Bhopal	8500.00

```
3 rows in set (0.00 sec)
```

```
SQL> SELECT * FROM CUSTOMERS WHERE AGE BETWEEN 25 AND 27;
```

ID	NAME	AGE	ADDRESS	SALARY
2	Khilan	25	Delhi	1500.00
4	Chaitali	25	Mumbai	6500.00
5	Hardik	27	Bhopal	8500.00

```
3 rows in set (0.00 sec)
```

```
SQL> SELECT AGE FROM CUSTOMERS
```

```
WHERE EXISTS (SELECT AGE FROM CUSTOMERS WHERE SALARY > 6500);
```

AGE
32
25
23
25
27
22
24

```
7 rows in set (0.02 sec)
```

```
SQL> SELECT * FROM CUSTOMERS
```

```
WHERE AGE > ALL (SELECT AGE FROM CUSTOMERS WHERE SALARY > 6500);
```

ID	NAME	AGE	ADDRESS	SALARY
1	Ramesh	32	Ahmedabad	2000.00

```
1 row in set (0.02 sec)
```

```
SQL> SELECT * FROM CUSTOMERS
```

```
WHERE AGE > ANY (SELECT AGE FROM CUSTOMERS WHERE SALARY > 6500);
```

ID	NAME	AGE	ADDRESS	SALARY
1	Ramesh	32	Ahmedabad	2000.00
2	Khilan	25	Delhi	1500.00
4	Chaitali	25	Mumbai	6500.00
5	Hardik	27	Bhopal	8500.00

```
4 rows in set (0.00 sec)
```