Data Science – MySql - Where clause, Operators

6. MySql – Where clause, Operators

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6. MySql - Where clause, Operators

1. Where clause

✓ Based on condition we can filter and get matched rows from table.

Login Query

Login with valid credentials where clause with equal operator

mysql > select * from persons
 -> where location = 'hyderabad';

+ PersonID	LastName	FirstName	+ Address -	++ location +
103	Ranjan		Near to Data Science Area Near to Python Theatre Near to Python Road	Hyderabad Hyderabad Hyderabad
++ 3 rows in se	++ et (0.00 sec	:)	+	++

2. Where clause with operators

✓ Below operators we can use with where clause.

Operator	Description
=	Equal
>	Greater than
<	Less than
>=	Greater than or Equal
<=	Less than or Equal
<>	Not Equal, as !=
between	Between a certain range
in	To check multiple possible values in column

2.1. Where clause with greater than operator

- ✓ We can apply where clause with greater than operator on specific column.
- ✓ This returns the matched records from the table.

Login Query

Login with valid credentials where clause with greater than operator

mysql > select * from persons
 -> where PersonID > 101;

+ PersonID +	+ LastName +	FirstName	+ Address 	++ location +
103		D M K	Near to AI Theatre Near to Python Theatre Near to Python Road	Bangalore Hyderabad Hyderabad
3 rows in se	et (0.00 sec)		·	tt

2.2. Where clause with between and operators

- ✓ We can apply where clause with between, and operators.
- ✓ This returns within range of values.
- ✓ Here start and end values are included.

Login Query

Login with valid credentials where clause with between and operators

mysql > select * from persons

-> where PersonID between 101 and 104;

	PersonID	LastName	+ FirstName	Address	location
	101 102 103 104	Danial Nireekshan Ranjan Prasad	K D M K	Near to Data Science Area Near to AI Theatre Near to Python Theatre Near to Python Road	Hyderabad Bangalore Hyderabad Hyderabad
4	rows in se	et (0.00 sec)	r		+

2.3. Where clause with like operator

- ✓ We can apply where clause with like operators.
- ✓ By using this we can search specific pattern in a column
 - o 'h%' it returns starts with h values
 - o '%h' it returns ends with h values

Login Query

Login with valid credentials where clause with like operator

mysql > select * from persons

-> where location like 'h%';

+ PersonID	LastName	+ FirstName	+ Address	++ location
!	J	K M K	Near to Data Science Area Near to Python Theatre Near to Python Road	Hyderabad Hyderabad Hyderabad
+ 3 rows in se	et (0.00 sed	:)	+	++

2.4. Where clause with in operator

- ✓ We can apply where clause with in operator.
- ✓ By using this we can get the matched records from the table.

Login with valid credentials Login where clause with in operator Query mysql > select * from persons -> where Lastname in('Nireekshan', 'Danial'); Output PersonID | LastName FirstName | Address location 101 Danial Near to Data Science Area Hyderabad 102 Nireekshan ĺ D Near to AI Theatre Bangalore rows in set (0.00 sec)

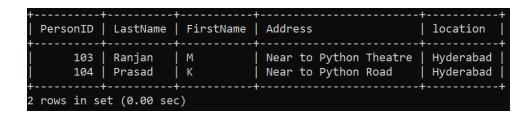
Login Query

Login with valid credentials

where clause with not in operator $% \left(1\right) =\left(1\right) \left(1\right$

mysql > select * from persons

-> where Lastname not in('Nireekshan', 'Danial');



3. Where clause with AND, OR, NOT operators

- ✓ We can use below operators along with where clause
 - And operator
 - Or operators
 - Not operator

3.1. Where clause with and operator

✓ If both conditions are true then AND operator returns the matched records.

Login Query

Login with valid credentials where clause with and operator

```
mysql > select * from Persons
```

-> where LastName = 'Danial' and location = 'Hyderabad';

++ PersonID			Address	location
101	Danial	К	Near to Data Science Area	Hyderabad
1 row in set				

3.2. Where clause with or operator

✓ If at least one condition is matching from multiple conditions then or operator returns the corresponding records

```
Login Login with valid credentials

Query where clause with and operator

mysql > select * from Persons
-> where LastName = 'Prasad' or location = 'UK';

Output

PersonID | LastName | FirstName | Address | location |
104 | Prasad | K | Near to Python Road | Hyderabad |
1 row in set (0.00 sec)
```

3.3. Where clause with not operator

✓ Not operator displays the records if the condition is not true.

Login Query

Login with valid credentials where clause with and operator

mysql > select * from Persons
 -> where not location = 'Bangalore';

++ PersonID	LastName	FirstName	+ Address +	++ location ++
103	Ranjan	K M K	Near to Data Science Area Near to Python Theatre Near to Python Road	Hyderabad Hyderabad Hyderabad
+ 3 rows in se	et (0.00 sec	:)	+	++