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**Practical : Usage of Where Clause**

**Objective:**  Using where clause in the table and using (AND, OR ,LIKE) with “where”.

1. **Where Clause:**

**Definition-** It is used to filter records.

**Syntax-** select from \* table\_name

Where condition;

**Example:**

mysql> use bca;

Database changed

mysql> show tables ;

+---------------+

| Tables\_in\_bca |

+---------------+

| students |

| user |

+---------------+

2 rows in set (0.15 sec)

mysql> show tables;

+---------------+

| Tables\_in\_bca |

+---------------+

| students |

| user |

+---------------+

2 rows in set (0.00 sec)

mysql> CREATE TABLE shopcart(shop\_id INT PRIMARY KEY, shop\_name VARCHAR(20), item\_name VARCHAR(20), item\_quantity INT, price INT);

Query OK, 0 rows affected (0.94 sec)

mysql> DESC shopcart;

+---------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------------+-------------+------+-----+---------+-------+

| shop\_id | int | NO | PRI | NULL | |

| shop\_name | varchar(20) | YES | | NULL | |

| item\_name | varchar(20) | YES | | NULL | |

| item\_quantity | int | YES | | NULL | |

| price | int | YES | | NULL | |

+---------------+-------------+------+-----+---------+-------+

5 rows in set (0.13 sec)

mysql>

mysql> INSERT INTO shopcart VALUES(1, 'Joshi Chaiwala', 'Momo', 5, 20);

Query OK, 1 row affected (0.24 sec)

mysql> INSERT INTO shopcart VALUES(2, 'Joshi Chaiwala', 'Milk chai', 1, 20);

Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO shopcart VALUES(3, 'Sooraj da Dhaba', 'samosa', 5, 35);

Query OK, 1 row affected (0.10 sec)

mysql> INSERT INTO shopcart VALUES(4, 'Sooraj da Dhaba', 'Aloo-Chutney', 1, 50);

Query OK, 1 row affected (0.12 sec)

mysql> INSERT INTO shopcart VALUES(5, 'Sooraj da Dhaba', 'Jalebi', 5, 50);

Query OK, 1 row affected (0.06 sec)

mysql> INSERT INTO shopcart VALUES(6, 'Boogilal', 'kurkure', 1, 5);

Query OK, 1 row affected (0.16 sec)

mysql> INSERT INTO shopcart VALUES(7, 'Boogilal', 'cream-roll', 1, 10);

Query OK, 1 row affected (0.11 sec)

mysql> INSERT INTO shopcart VALUES(8, 'Joshi Chaiwala', 'pani poori', 25, 15);

Query OK, 1 row affected (0.14 sec)

mysql> INSERT INTO shopcart VALUES(9, 'Khan Shaab', 'Sugarcane Juice', 1, 15);

Query OK, 1 row affected (0.10 sec)

mysql> INSERT INTO shopcart VALUES(10, 'Siddhu Paaji', 'Lassi', 1, 25);

Query OK, 1 row affected (0.07 sec)

mysql>

mysql> SELECT \* FROM shopcart;

+---------+-----------------+-----------------+---------------+-------+

| shop\_id | shop\_name | item\_name | item\_quantity | price |

+---------+-----------------+-----------------+---------------+-------+

| 1 | Joshi Chaiwala | Momo | 5 | 20 |

| 2 | Joshi Chaiwala | Milk chai | 1 | 20 |

| 3 | Sooraj da Dhaba | samosa | 5 | 35 |

| 4 | Sooraj da Dhaba | Aloo-Chutney | 1 | 50 |

| 5 | Sooraj da Dhaba | Jalebi | 5 | 50 |

| 6 | Boogilal | kurkure | 1 | 5 |

| 7 | Boogilal | cream-roll | 1 | 10 |

| 8 | Joshi Chaiwala | pani poori | 25 | 15 |

| 9 | Khan Shaab | Sugarcane Juice | 1 | 15 |

| 10 | Siddhu Paaji | Lassi | 1 | 25 |

+---------+-----------------+-----------------+---------------+-------+

10 rows in set (0.00 sec)

mysql> SELECT \* FROM shopcart WHERE item\_quantity=1 AND price<20;

+---------+------------+-----------------+---------------+-------+

| shop\_id | shop\_name | item\_name | item\_quantity | price |

+---------+------------+-----------------+---------------+-------+

| 6 | Boogilal | kurkure | 1 | 5 |

| 7 | Boogilal | cream-roll | 1 | 10 |

| 9 | Khan Shaab | Sugarcane Juice | 1 | 15 |

+---------+------------+-----------------+---------------+-------+

3 rows in set (0.02 sec)

mysql> SELECT \* FROM shopcart WHERE item\_quantity=1 OR price>20;

+---------+-----------------+-----------------+---------------+-------+

| shop\_id | shop\_name | item\_name | item\_quantity | price |

+---------+-----------------+-----------------+---------------+-------+

| 2 | Joshi Chaiwala | Milk chai | 1 | 20 |

| 3 | Sooraj da Dhaba | samosa | 5 | 35 |

| 4 | Sooraj da Dhaba | Aloo-Chutney | 1 | 50 |

| 5 | Sooraj da Dhaba | Jalebi | 5 | 50 |

| 6 | Boogilal | kurkure | 1 | 5 |

| 7 | Boogilal | cream-roll | 1 | 10 |

| 9 | Khan Shaab | Sugarcane Juice | 1 | 15 |

| 10 | Siddhu Paaji | Lassi | 1 | 25 |

+---------+-----------------+-----------------+---------------+-------+

8 rows in set (0.00 sec)

mysql> SELECT \* FROM shopcart WHERE item\_name LIKE 'M%' OR shop\_name LIKE '%a' OR shop\_name LIKE 'S%i';

+---------+-----------------+--------------+---------------+-------+

| shop\_id | shop\_name | item\_name | item\_quantity | price |

+---------+-----------------+--------------+---------------+-------+

| 1 | Joshi Chaiwala | Momo | 5 | 20 |

| 2 | Joshi Chaiwala | Milk chai | 1 | 20 |

| 3 | Sooraj da Dhaba | samosa | 5 | 35 |

| 4 | Sooraj da Dhaba | Aloo-Chutney | 1 | 50 |

| 5 | Sooraj da Dhaba | Jalebi | 5 | 50 |

| 8 | Joshi Chaiwala | pani poori | 25 | 15 |

| 10 | Siddhu Paaji | Lassi | 1 | 25 |

+---------+-----------------+--------------+---------------+-------+

7 rows in set (0.00 sec)

mysql>