Assignment

Create Database db_name;

db_name →

Comparison Operator

== equals equal to

→ =

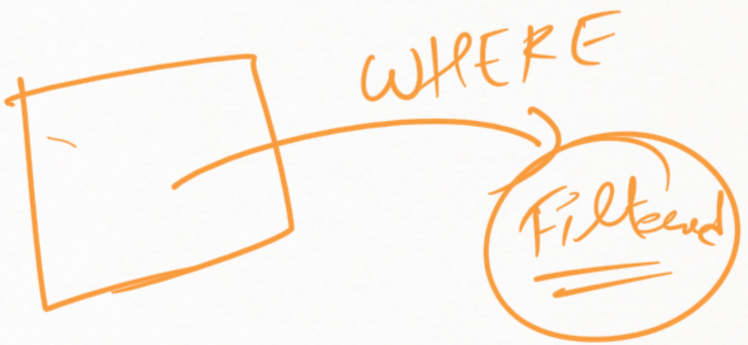
>=

<=

(mysql equivalent)

!= <>

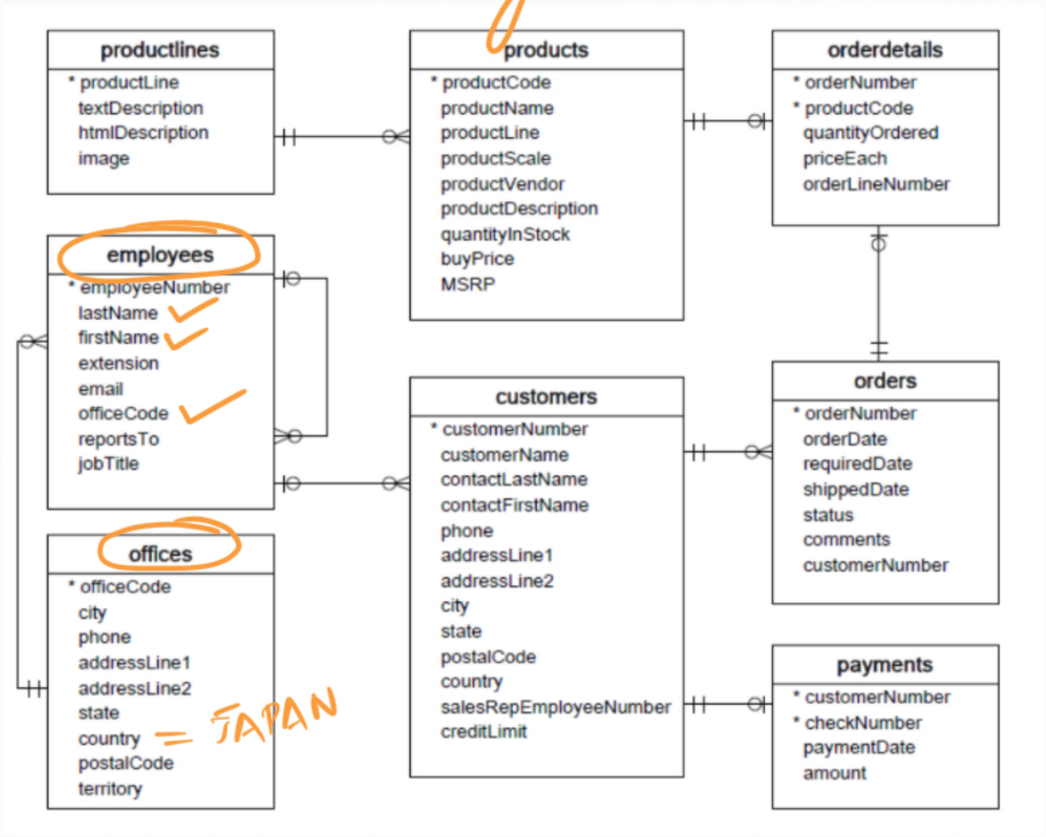
Not equals to



Q1. Find out all the employees who are working in JAPAN office.

l = ['Japan', 'India']

l[0] == 'Japan'




```
mysql> SELECT officecode FROM offices WHERE country = 'JAPAN';
+------------+
| officecode |
+------------+
| 5          |
+------------+
1 row in set (0.00 sec)
```

```
mysql> SELECT FIRSTNAME,LASTNAME FROM employees WHERE officecode = 5;
+-----------+----------+
| FIRSTNAME | LASTNAME |
+-----------+----------+
| Mami      | Nishi    |
| Yoshimi   | Kato     |
+-----------+----------+
2 rows in set (0.00 sec)
```

Q2. Find out all the employees whose officode is greater than 5.

```
mysql> SELECT firstName,lastName,officecode FROM offices WHERE officecode>5;
ERROR 1054 (42S22): Unknown column 'firstName' in 'field list'
mysql> SELECT firstName,lastName,officecode FROM employees WHERE officecode>5;
+-----------+----------+------------+
| firstName | lastName | officecode |
+-----------+----------+------------+
| William   | Patterson | 6          |
| Larry     | Bott      | 7          |
| Barry     | Jones     | 7          |
| Andy      | Fixter    | 6          |
| Peter     | Marsh     | 6          |
| Tom       | King      | 6          |
+-----------+----------+------------+
6 rows in set (0.00 sec)
```

Special Operators

① Between → Gives a Range

are also included

```
mysql> SELECT officeCode,State,Country FROM offices WHERE officecode BETWEEN 1 AND 3;
+------------+-------+---------+
| officeCode | State | Country |
+------------+-------+---------+
| 1          | CA    | USA     |
| 2          | MA    | USA     |
| 3          | NY    | USA     |
+------------+-------+---------+
3 rows in set (0.00 sec)
```

② IN

```
mysql> SELECT officeCode,Country FROM offices WHERE Country IN ('France','Australia');
+------------+-----------+
| officeCode | Country   |
+------------+-----------+
| 4          | France    |
| 6          | Australia |
+------------+-----------+
2 rows in set (0.00 sec)
```

```
mysql> SELECT firstname,lastname,officecode FROM employees WHERE officeCode IN (4,6);
+-----------+-----------+------------+
| firstname | lastname  | officecode |
+-----------+-----------+------------+
| William   | Patterson | 6          |
| Gerard    | Bondur    | 4          |
| Loui      | Bondur    | 4          |
| Gerard    | Hernandez | 4          |
| Pamela    | Castillo  | 4          |
| Andy      | Fixter    | 6          |
| Peter     | Marsh     | 6          |
| Tom       | King      | 6          |
| Martin    | Gerard    | 4          |
+-----------+-----------+------------+
9 rows in set (0.00 sec)
```

Distinct elements → 5 is not included here!!

[4,6]

officecode in (4,6)

→ Multiple Values.

= is for Single Value

3 NOT IN

Reverse the work of IN operator.

```
mysql> SELECT firstname,lastname,officecode FROM employees WHERE officeCode NOT IN (1,4,6);
+-----------+-----------+------------+
| firstname | lastname  | officecode |
+-----------+-----------+------------+
| Julie     | Firrelli  | 2          |
| Steve     | Patterson | 2          |
| Foon Yue  | Tseng     | 3          |
| George    | Vanauf    | 3          |
| Larry     | Bott      | 7          |
| Barry     | Jones     | 7          |
| Mami      | Nishi     | 5          |
| Yoshimi   | Kato      | 5          |
+-----------+-----------+------------+
8 rows in set (0.00 sec)
```

④ NOT BETWEEN

```
mysql> SELECT firstname,lastname,officecode FROM employees WHERE officeCode NOT BETWEEN 1 AND
6;
+-----------+----------+------------+
| firstname | lastname | officecode |
+-----------+----------+------------+
| Larry     | Bott     | 7          |
| Barry     | Jones    | 7          |
+-----------+----------+------------+
2 rows in set (0.00 sec)
```

⑤ LIKE

wild cards

- % → Any No of Char (in pyregx *)
- _ → Single Char (in pyregx .)

Q Find out all the employees whose firstname is starting with M.

'M%'

```
mysql> SELECT firstName,lastname from employees where firstname like 'M%';
+-----------+-----------+
| firstName | lastname  |
+-----------+-----------+
| Mary      | Patterson |
| Mami      | Nishi     |
| Martin    | Gerard    |
+-----------+-----------+
3 rows in set (0.00 sec)
```

Q Find out all the 4 letter firstName which starts with M and ends with I.

2 underscores

```
mysql> SELECT firstName,lastname from employees where firstname like 'M__I';
+-----------+----------+
| firstName | lastname |
+-----------+----------+
| Mami      | Nishi    |
+-----------+----------+
1 row in set (0.00 sec)
```

Mummi ✓

__ → means single char (which could be anything)

Logical Operators

AND

```
mysql> SELECT city,phone,state,country from offices WHERE country = 'USA' AND state='NY';
+------+-----------------+-------+---------+
| city | phone           | state | country |
+------+-----------------+-------+---------+
| NYC  | +1 212 555 3000 | NY    | USA     |
+------+-----------------+-------+---------+
1 row in set (0.00 sec)
```

Q1. Find out all the payments which are done for customerNumber > 80 and also the amount > 80000.

```
mysql> SELECT amount,customerNumber from payments WHERE customerNumber>80 AND amount>80000;
+-----------+----------------+
| amount    | customerNumber |
+-----------+----------------+
|  82261.22 |            114 |
| 101244.59 |            124 |
|  85410.87 |            124 |
|  83598.04 |            124 |
| 111654.40 |            124 |
| 116208.40 |            141 |
| 120166.58 |            141 |
| 105743.00 |            148 |
|  85024.46 |            167 |
|  80375.24 |            239 |
|  85559.12 |            321 |
+-----------+----------------+
11 rows in set (0.01 sec)
```

OR

Find out all the CustomerName who is either from Finland or Philippines.

```
mysql> SELECT customerName,country FROM customers WHERE country = 'Philippines' OR country = '
FINLAND';
+-------------------------+-------------+
| customerName            | country     |
+-------------------------+-------------+
| Toys of Finland, Co.    | Finland     |
| Oulu Toy Supplies, Inc. | Finland     |
| Suominen Souveniers     | Finland     |
| Cruz & Sons Co.         | Philippines |
+-------------------------+-------------+
4 rows in set (0.00 sec)
```

Q. Find out all the customername country & creditlimit who belongs to Finland or Philippines AND also there Creditlimit < 95000;

```
mysql> SELECT customerName,country,CREDITLIMIT FROM customers WHERE (country = 'Philippines' O
R country = 'FINLAND') AND creditlimit<95000;
+-------------------------+-------------+-------------+
| customerName            | country     | CREDITLIMIT |
+-------------------------+-------------+-------------+
| Oulu Toy Supplies, Inc. | Finland     |    90500.00 |
| Cruz & Sons Co.         | Philippines |    81500.00 |
+-------------------------+-------------+-------------+
2 rows in set (0.00 sec)
```

DROP

```
+--------------------+
| Database           |
+--------------------+
| assessment_platform |
| classicmodels      |
| codeyoda           |
| company_db         |
| companydb          |
| companydb_test     |
| cricket            |
| example            |
| example_2          |
| information_schema |
| mohit              |
| mysql              |
| performance_schema |
| sys                |
| tes                |
| wow2               |
+--------------------+
16 rows in set (0.00 sec)
```

Stage 1

```
mysql> DROP DATABASE WOW2;
Query OK, 0 rows affected (0.01 sec)

mysql> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| assessment_platform |
| classicmodels      |
| codeyoda           |
| company_db         |
| companydb          |
| companydb_test     |
| cricket            |
| example            |
| example_2          |
| information_schema |
| mohit              |
| mysql              |
| performance_schema |
| sys                |
| tes                |
+--------------------+
15 rows in set (0.01 sec)
```

Stage 2

```
Database changed
mysql> SHOW TABLES;
+---------------+
| Tables_in_wow |
+---------------+
| example1      |
| student       |
+---------------+
2 rows in set (0.00 sec)

mysql> DROP TABLE example1;
Query OK, 0 rows affected (0.05 sec)

mysql> SHOW TABLES;
+---------------+
| Tables_in_wow |
+---------------+
| student       |
+---------------+
1 row in set (0.01 sec)
```

DELETE a Specific Row

```
DELETE FROM table_name
WHERE condition.
```

```
mysql> SELECT * FROM EXAMPLE1;
+-----------+----------+------------------+----------+------+
| FirstName | LastName | Address          | City     | Age  |
+-----------+----------+------------------+----------+------+
| Mickey    | Mouse    | 123 Fantasy Way  | Anaheim  |   73 |
| Wonder    | Woman    | 987 Truth Way    | Paradise |   39 |
| Donald    | Duck     | 555 Quack Street | Mallard  |   65 |
+-----------+----------+------------------+----------+------+
3 rows in set (0.00 sec)

mysql> DELETE FROM EXAMPLE1 WHERE LASTNAME='WOMAN';
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM EXAMPLE1;
+-----------+----------+------------------+---------+------+
| FirstName | LastName | Address          | City    | Age  |
+-----------+----------+------------------+---------+------+
| Mickey    | Mouse    | 123 Fantasy Way  | Anaheim |   73 |
| Donald    | Duck     | 555 Quack Street | Mallard |   65 |
+-----------+----------+------------------+---------+------+
2 rows in set (0.00 sec)
```