



Python MySQL Where

[< Previous](#)[Next >](#)

Select With a Filter

When selecting records from a table, you can filter the selection by using the "WHERE" statement:

Example

Select record(s) where the address is "Park Lane 38": result:

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="yourusername",
    passwd="yourpassword",
    database="mydatabase"
)

mycursor = mydb.cursor()

sql = "SELECT * FROM customers WHERE address = 'Park Lane 38'"

mycursor.execute(sql)

myresult = mycursor.fetchall()

for x in myresult:
    print(x)
```

[Run example »](#)

Wildcard Characters

You can also select the records that starts, includes, or ends with a given letter or phrase.

Use the **%** to represent wildcard characters:

Example

Select records where the address contains the word "way":

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="yourusername",
    passwd="yourpassword",
    database="mydatabase"
)

mycursor = mydb.cursor()

sql = "SELECT * FROM customers WHERE address LIKE '%way%'"

mycursor.execute(sql)

myresult = mycursor.fetchall()

for x in myresult:
    print(x)
```

[Run example »](#)

Prevent SQL Injection

When query values are provided by the user, you should escape the values.

This is to prevent SQL injections, which is a common web hacking technique to destroy or misuse your database.

The mysql.connector module has methods to escape query values:

Example

Escape query values by using the placholder `%s` method:

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="yourusername",
    passwd="yourpassword",
    database="mydatabase"
)

mycursor = mydb.cursor()

sql = "SELECT * FROM customers WHERE address = %s"
adr = ("Yellow Garden 2", )

mycursor.execute(sql, adr)

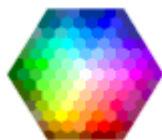
myresult = mycursor.fetchall()

for x in myresult:
    print(x)
```

[Run example »](#)

[< Previous](#)[Next >](#)

COLOR PICKER



HOW TO

Tabs
Dropdowns
Accordions
Side Navigation
Top Navigation
Modal Boxes
Progress Bars
Parallax
Login Form
HTML Includes
Google Maps
Range Sliders
Tooltips
Slideshow
Filter List
Sort List

SHARE



CERTIFICATES

HTML
CSS
JavaScript
SQL
Python
PHP
jQuery
Bootstrap
XML

[Read More »](#)

[REPORT ERROR](#)

[PRINT PAGE](#)

[FORUM](#)

[ABOUT](#)

Top Tutorials

[HTML Tutorial](#)
[CSS Tutorial](#)
[JavaScript Tutorial](#)
[How To Tutorial](#)
[SQL Tutorial](#)
[Python Tutorial](#)
[W3.CSS Tutorial](#)
[Bootstrap Tutorial](#)
[PHP Tutorial](#)
[jQuery Tutorial](#)
[Java Tutorial](#)
[C++ Tutorial](#)

Top References

[HTML Reference](#)
[CSS Reference](#)
[JavaScript Reference](#)
[SQL Reference](#)
[Python Reference](#)
[W3.CSS Reference](#)
[Bootstrap Reference](#)
[PHP Reference](#)
[HTML Colors](#)
[jQuery Reference](#)
[Java Reference](#)
[Angular Reference](#)

Top Examples

[HTML Examples](#)
[CSS Examples](#)
[JavaScript Examples](#)
[How To Examples](#)
[SQL Examples](#)
[Python Examples](#)
[W3.CSS Examples](#)
[Bootstrap Examples](#)
[PHP Examples](#)
[jQuery Examples](#)

[Java Examples](#)[XML Examples](#)

Web Certificates

[HTML Certificate](#)[CSS Certificate](#)[JavaScript Certificate](#)[SQL Certificate](#)[Python Certificate](#)[jQuery Certificate](#)[PHP Certificate](#)[Bootstrap Certificate](#)[XML Certificate](#)[Get Certified »](#)

W3Schools is optimized for learning, testing, and training. Examples might be simplified to improve reading and basic understanding. Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness of all content. While using this site, you agree to have read and accepted our terms of use, cookie and privacy policy. Copyright 1999-2020 by Refsnes Data. All Rights Reserved.

Powered by W3.CSS.

