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Python MySQL Select From

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Select From a Table

To select from a table in MySQL, use the "SELECT" statement:

Example

Select all records from the "customers" table, and display the result:

```python
import mysql.connector

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

mycursor = mydb.cursor()

mycursor.execute("SELECT * FROM customers")

myresult = mycursor.fetchall()

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

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Note: We use the `fetchall()` method, which fetches all rows from the last executed statement.

Selecting Columns

To select only some of the columns in a table, use the "SELECT" statement followed by the column name(s):

Example

Select only the name and address columns:

```python
import mysql.connector

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

mycursor = mydb.cursor()

mycursor.execute("SELECT name, address FROM customers")

myresult = mycursor.fetchall()

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

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Using the fetchone() Method

If you are only interested in one row, you can use the `fetchone()` method.

The `fetchone()` method will return the first row of the result:

Example

Fetch only one row:

```python
import mysql.connector

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

mycursor = mydb.cursor()

mycursor.execute("SELECT * FROM customers")

myresult = mycursor.fetchone()

print(myresult)
```
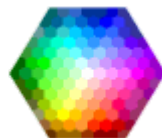
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