



Python MySQL Update Table

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Update Table

You can update existing records in a table by using the "UPDATE" statement:

Example

Overwrite the address column from "Valley 345" to "Canyoun 123":

```
import mysql.connector

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

mycursor = mydb.cursor()

sql = "UPDATE customers SET address = 'Canyon 123' WHERE address = 'Valley 345'"

mycursor.execute(sql)

mydb.commit()

print(mycursor.rowcount, "record(s) affected")
```

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Important!: Notice the statement: `mydb.commit()` . It is required to make the changes, otherwise no changes are made to the table.

Notice the WHERE clause in the UPDATE syntax: The WHERE clause specifies which record or records that should be updated. If you omit the WHERE clause, all records will be updated!

Prevent SQL Injection

It is considered a good practice to escape the values of any query, also in update statements.

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

The mysql.connector module uses the placeholder `%s` to escape values in the delete statement:

Example

Escape values by using the placeholder `%s` method:

```
import mysql.connector

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

mycursor = mydb.cursor()

sql = "UPDATE customers SET address = %s WHERE address = %s"
```

```
val = ("Valley 345", "Canyon 123")

mycursor.execute(sql, val)

mydb.commit()

print(mycursor.rowcount, "record(s) affected")
```

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