

SQL

①

MySQL :- It connects to local server or online SQL server.

→ MySQL :-

```
import mysql.connector
```

Creating database :-

```
cur = mydb.cursor()  
cur.execute("Create Database Var")
```

Using database :-

```
mydb = mysql.connector.connect(  
    host = " " "  
    user = " " "  
    Password = " " "  
    database = "name of database"  
)
```

Creating Cursor :- (Used for executing command)

```
cur = mydb.cursor()  
cur.execute(code) → for execution.
```

Creating Table :- (Defining Index of Data)

```
Var-table = "CREATE TABLE if not exists entries  
            Var-table(index1 Datatype( ),  
                    index2 , ( ))"
```

```
Cur.execute(Var-table)
```

MySQL

→ Inserting Data:-

```
Var-data = "Insert into var-table  
    ( indexes ) values (%s)"  
    /  
    /  
    no. of both  
    will be same.
```

Data = (Variables)

```
cur.execute (var-data, Data)
```

```
mydb.commit () .
```

→ Inserting multiple Data:-

```
data = [(Vars)(Vars)  
          (Vars)]
```

rest same !

→ Updating Data:-

```
Up-data = "Update var-table  
    Set (Variable action)  
    where (Variable  
           condition)
```

Variable = %s

Values = (%s, %s, ..., n)

```
cur.execute (Up-data,  
            Values)
```

```
mydb.commit () .
```

SQLite

→ Inserting Data :-

Same, change
%s with ?

→ Inserting Data from multiple.

→ Updating Data:-

Same.

Just replace

%s with ?

→ Extracting Data :-

Extract - Data = "Select * from table-name. where (cond)"
cur.execute (~~Ex~~ Ex - Data, (~~Ex~~ ~~Var~~))
result = cur.fetchall ()
[(vars)] = result
↳ If any acc to condition.

[(vars)] = result .

↳ These variables is extracted datee
use them as you want .

* for SQLite3 → replace %S with ?

→ Deleting - Data :-

Var = " delete from table - name. where (cond)"
cur.execute (Var, (var,))
mydb.commit ()

(•) TABLE, SQL commands :-

1.) SHOW DATABASES;

2.) USE DATA BASE Name;

3.) SHOW TABLES;

4.) Select * from Table Name; - shows data of table

5.) DROP DATABASE Name; → Delete d-B.

6.) " TABLE Name; → " Table.