https://docs.robotframework.org/docs/different\_libraries/database  
pip install robotframework-databaselibrary  
# to install database library

python -m pip install PyMySQL # to install „driver for comunication robot-mysql

**Connect To Database**

The expected order is generally as follows:

1. **Database module name**: Specifies the database type (e.g., pymysql for MySQL).
2. **Database name**: The name of the database you want to connect to.
3. **Username**: Your database username.
4. **Password**: The password for the database user.
5. **Host**: The IP address or hostname of the server (often localhost for local connections).
6. **Port** (optional): The port number for the database connection (defaults to 3306 for MySQL if omitted).

**DESCRIBE offices;**

* list fields in table and if there are mandatory /null yes, no

**simple insert**

INSERT INTO offices (officeCode, city, phone, addressLine1, country, postalCode, territory )

VALUES ('8', 'Bratislava', '+421987555444', 'Hlavna 5', 'Slovakia', '850001', 'EMEA');

**DatabaseLibrary insert**  
Execute Sql String INSERT INTO offices (officeCode, city, phone, addressLine1, country, postalCode, territory) VALUES ('9', 'Velke Lovce', '+421987555111', 'Hlavna 1', 'Slovakia', '94001', 'EMEA');

**JOIN**

**RIGHT JOIN: Returns all offices, even if no employees are assigned to them.**

* officeCode is connected (same) in both tables

SELECT employees.employeeNumber, offices.city

FROM employees

**RIGHT** JOIN offices

ON employees.officeCode = offices.officeCode;

**LEFT JOIN**: Returns all employees, even if they do not have an office.