

Database Testing

Robot Framework

Install Library

- Commands:

pip install -U robotframework-databaselibrary

pip install pymysql

```
Windows PowerShell
PS C:\Users\student> pip install -U robotframework-databaselibrary
Collecting robotframework-databaselibrary
  Downloading robotframework_databaselibrary-1.2.4-py3-none-any.whl (11 kB)
Installing collected packages: robotframework-databaselibrary
Successfully installed robotframework-databaselibrary-1.2.4
PS C:\Users\student> pip install pymysql
Collecting pymysql
  Downloading PyMySQL-1.0.2-py3-none-any.whl (43 kB)
----- 43.0/43.0 kB ? eta 0:00:00
Installing collected packages: pymysql
Successfully installed pymysql-1.0.2
PS C:\Users\student> pip list
Package           Version
-----
pip               22.2.2
PyMySQL           1.0.2
robotframework    5.0.1
robotframework-databaselibrary 1.2.4
setuptools        58.1.0
PS C:\Users\student>
```

Database Testing

```
1  *** Settings ***
2  Library      DatabaseLibrary
3
4  Load in Interactive Console
5  *** Variables ***
6  ${dbname}    your database name
7  ${dbuser}    your user name
8  ${dbpass}    your password
9  ${dbhost}    localhost
10 ${dbport}    3306
11
12 *** Keywords ***
13 Load in Interactive Console
14 Make connection
15 |    Connect To Database    pymysql    ${dbname}    ${dbuser}    ${dbpass}    ${dbhost}    ${dbport}
16
17 *** Test Cases ***
18 Run | Debug | Run in Interactive Console
19 Check Connection
20 |    Make connection
21 |    Table Must Exist    countries
22
23 *** Test Cases ***
24 Run | Debug | Run in Interactive Console
25 Write data to database
26 |    Make connection
27 |    Execute Sql String    insert into countries values ('11', 'Finland', '500');
28 |    ${result}=    Query    select * from countries;
```