

MatDeck - Work with MySQL database

Update table data

- Level: Basic

In this example, we illustrate how MatDeck can be used to work with MySQL database. We will use `db_connect()` function to establish a connection to database, and `db_query()` function to update and print table data.

Update table data

The task is to establish the connection to MySQL Database, to update Number value on rows which Name value is ThirdSoftware from table 'Software' and after that to print table data.

```
UserVal := "test_user"
```

```
PassVal := "Test123"
```

```
HostVal := "localhost"
```

```
DatVal := "matdeck"
```

```
DVal := "mysql"
```

```
PortVal := 3306
```

Connection Parameters

Query Strings

```
quVal := "UPDATE Software SET Number = 628 WHERE Name = 'ThirdSoftware'"
```

Connecting To Database

```
conn := db_connect(DVal, "Name", HostVal, PortVal, UserVal, PassVal, DatVal)
```

Update Table Data

```
db_query(conn, quVal)
```

List Remaining Table Data

```
dat := db_query(conn, "SELECT * FROM Software")
```

	Name	Number
dat =	"NewSoftware"	157
	"NewSoftware"	157
	"ThirdSoftware"	628
	"MatDeck"	1
	"OtherSoftwares"	999
	"NewSoftware"	157

We could also achieve this task using MatDeck script inside the document.

```
1 // MatDeck program to update data in table 'Software' in MYSQL database
2
3 // Connecting to the server
4 conn := db_connect("mysql", "Name", "localhost", 3306, "test_user",
5 "Test123", "matdeck")
6
7 // Update query and display table data
8 db_query(conn, "UPDATE Software SET Number = 628 WHERE Name =
9 'ThirdSoftware'")
10 print(db_query(conn, "SELECT * FROM Software"))
11
12 // Disconnecting from the server
13 db_close(conn)
```

Output

MatDeck Console

```
["NewSoftware" 157]
["NewSoftware" 157]
["ThirdSoftware" 628]
["MatDeck" 1]
["OtherSoftwares" 999]
```