

MatDeck - Work with MySQL database

Connect to MySQL database

- 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.

Function `db_connect()` is universal function that can be used for all sorts of DB connections, you can use it to connect to following databases: SQLite, MySQL, MSSQL, PostgreSQL.

Connect to Database using `db_connect()` function

The task is to establish the connection to MySQL Database with given name, and to print connection object as a proof.

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

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

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

```
DatVal := "world"
```

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

```
PortVal := 3306
```

Connection Parameters

Connecting To The Server

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

```
conn = object of type sql
```

Value Of conn Variable

```
db_close(conn)
```

Disconnecting From The Server

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

```
1 // Connecting to the server
2 conn1 := db_connect(DVal, "Name1", HostVal, PortVal, UserVal, PassVal,
3 DatVal)
4 print(conn1)
5
6 // Disconnecting from the server
7 db_close(conn1)
```

Output

MatDeck Console

```
object of type sql
```