

LU10.S02 - myFirstServer

Task A: Letting the given script run

1. A01: Download the provided Zipfile, unzip it, and import the JavaScriptFile into your Webstorm project.
2. A02: Change the credentials by using your login data, which is only you know.
3. A03: Request via sql-script the system date from the database and display on your terminal by starting the server with the node command.

Task B: Displaying a table content

After successful receiving data from the database, we want to display more data on our terminal, e.g. the content of an already existing database table. Follow for that the steps below:

1. B01: Change the sql statement from `SELECT sysdate();` into `SELECT * FROM users;`
2. B02: Display the resultset from the database on your terminal by using the node command
3. B03: Change the order of the sql statement and display the result on your terminal

Solutions

myFirstserver Code Solution

The screenshot shows an IDE with a project named 'M290_2'. The file 'myFirstServer0.js' contains the following code:

```
36 // function that actually connects the server to the database
37 // result is successful or error message
38 connection.connect(function(err) :void {
39   if (err) throw err;
40   console.log('Connected to MySQL database:', connection.config.database);
41
42   // Preparation of the sql statement, which will be send to the database
43   //var sqlstmt = 'SELECT sysdate()';
44   sqlstmt = 'SELECT * from users ORDER BY username DESC';
45
46   connection.query(sqlstmt, function (err, result) :void {
47     // the sqlstmt is send to the database
48     if (err) throw err; // if everthing is fine, i receive the resultset
49     console.table(result); // we can present the result as a table
50   });
51 });
```

The terminal window shows the output of the query:

```
Connected to MySQL database: myDatabase
```

(index)	user_id	username	email
0	4	'sarah_johnson'	'sarah.johnson@example.com'
1	14	'sarah_johnson'	'sarah.johnson@example.com'
2	3	'michael_brown'	'michael.brown@example.com'
3	13	'michael_brown'	'michael.brown@example.com'
4	8	'laura_clark'	'laura.clark@example.com'
5	18	'laura_clark'	'laura.clark@example.com'
6	1	'john_doe'	'john.doe@example.com'

Vocabulary

English	German
...	...



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Last update: **2024/10/30 15:18**

