JDBC

Java Database Connector

Der Connector muss als .jar Library in das Projekt eingebunden werden.

- MySQL Connector Download
- MariaDB Connector Download

```java
import java.sql.*;

class SqlReadingExample {
    public static void main(String args[]) {
        try {
            Connection con =
DriverManager.getConnection("jdbc:mariadb://192.168.1.105:3306/dbname", "user",
"pw");

            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery("SELECT * FROM table");
            while (rs.next())
                System.out.println(rs.getInt(1) + "  " + rs.getString(2) + "  "
+ rs.getString(3));
            con.close();
        } catch (Exception e) {
            System.out.println(e);
        }
    }
}
```

```java
import java.sql.*;

public class SqlWritingExample
{
    public static void main(String[] args)
    {
        try
        {
            Connection conn =
DriverManager.getConnection("jdbc:mariadb://192.168.1.105/dbname", "user",
"pw");

            String query = "INSERT INTO table (vorname, nachname, anmerkungen)"
                    + " VALUES (?, ?, ?)";

            PreparedStatement preparedStmt = conn.prepareStatement(query);
            preparedStmt.setString (1, "Barney");
            preparedStmt.setString (2, "Rubble");
            preparedStmt.setString (3, "comment");
            preparedStmt.execute();
            conn.close();
        }
```

```
        catch (Exception e)
        {
            System.err.println(e.getMessage());
        }
    }
}
```

Quellen

- "MySQL Community Downloads" mysql; zuletzt besucht 2021-06-13; online
- "About MariaDB Connector/J" mariadb; zuletzt besucht 2021-06-13; online
- "Java Database Connectivity with MySQL" javatpoint; zuletzt besucht 2021-06-13; online
- "A Java MySQL INSERT example (using PreparedStatement)" alvin alexander; zuletzt besucht 2021-06-13; online