

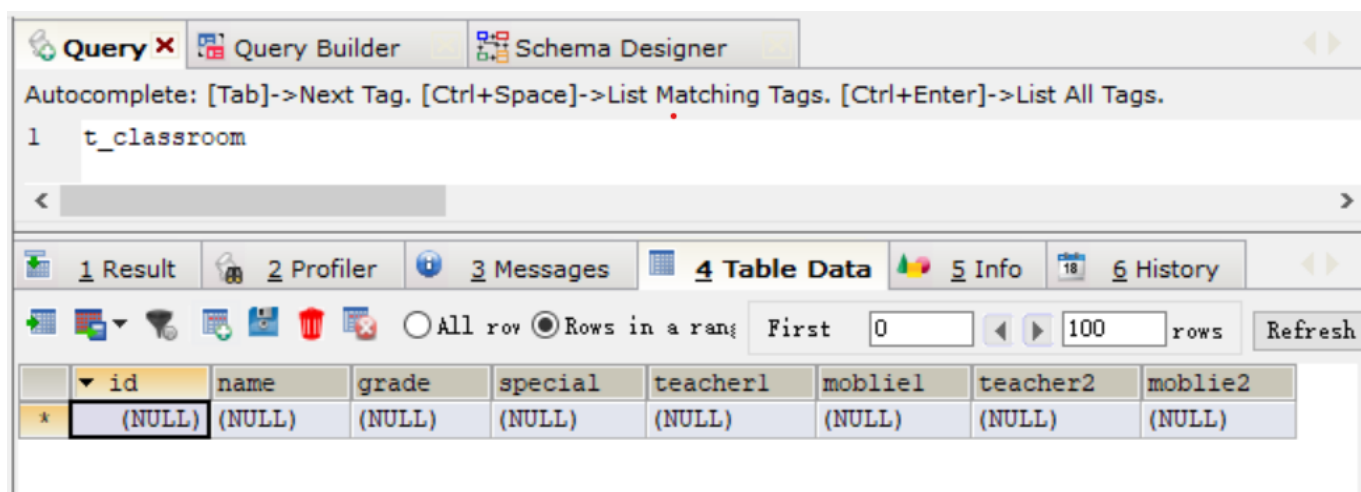
用JavaScript连接MySQL的一些基本操作（增删改查列表）

- 为数据表添加项：

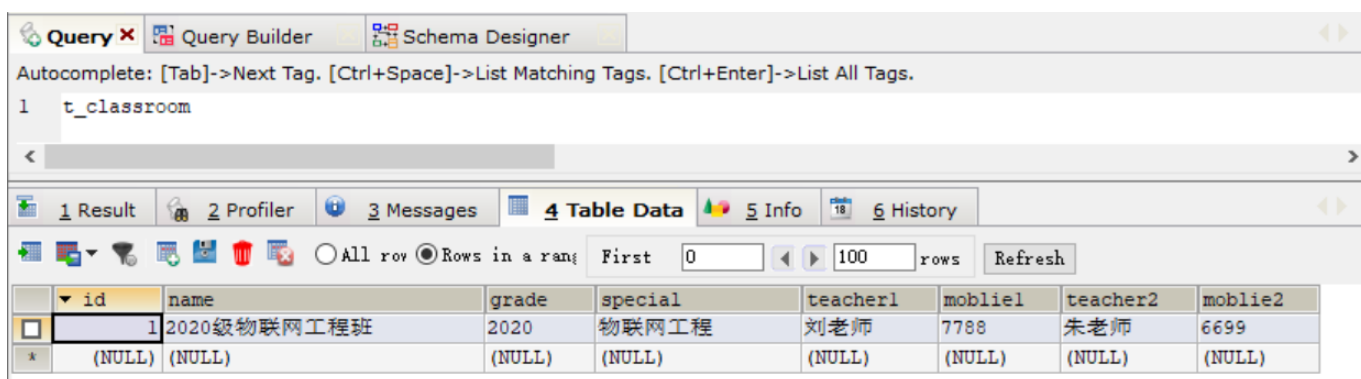
代码如下：

```
public static void add(){
    //创建Connection
    Connection con =null;
    //创建PreparedStatement
    PreparedStatement ps = null;
    try {
        //创建连接字符串
        String url = "jdbc:mysql://localhost:3306/20w1w_manager";
        //数据库的连接用户名
        String user = "20w1w";
        //数据库的连接密码
        String password = "20w1w123";
        con = DriverManager.getConnection(url,user,password);
        //创建sql
        String sql="insert into
t_classroom(name,grade,special,teacher1,moblie1," +
                "teacher2,moblie2) value"+" ('2020级物联网工程班','2020','物联
网工程'," +
                "'刘老师','7788','朱老师','6699')";
        ps = con.prepareStatement(sql);
        ps.executeUpdate();
    } catch (SQLException throwables) {
        throwables.printStackTrace();
    } finally {
        try {
            if(ps!=null) ps.close();
        } catch (SQLException throwables) {
            throwables.printStackTrace();
        }
        try {
            if(con!=null) con.close();
        } catch (SQLException throwables) {
            throwables.printStackTrace();
        }
    }
}
```

代码执行前t_class room为空



运行add()之后t_classroom如下:



- 删除数据表中的项

代码如下:

```

public static void delete() {
    Connection con = null;
    PreparedStatement ps = null;
    try {
        String url = "jdbc:mysql://localhost:3306/20w1w_manager";
        String user = "20w1w";
        String password = "20w1w123";
        con = DriverManager.getConnection(url,user,password);
        String sql = "delete from t_classroom where id=3";
        ps = con.prepareStatement(sql);
        ps.executeUpdate();
    } catch (SQLException e) {
        e.printStackTrace();
    } finally {
        try {
            if (ps!=null) ps.close();
        } catch (SQLException throwables) {
            throwables.printStackTrace();
        }
        try {
            if (con!=null) con.close();
        } catch (SQLException throwables) {
            throwables.printStackTrace();
        }
    }
}

```

代码执行前t_classroom:

Query X Query Builder Schema Designer							
Autocomplete: [Tab]->Next Tag. [Ctrl+Space]->List Matching Tags. [Ctrl+Enter]->List All Tags.							
1 t_classroom							
<							
1 Messages 2 Table Data 3 Info 4 History							
<input type="radio"/> All rows <input checked="" type="radio"/> Rows in a range First 0 100 rows Refresh							
id	name	grade	special	teacher1	moblie1	teacher2	moblie2
<input type="checkbox"/>	1 2020级物联网工程班	2020	物联网工程	刘老师	7788	朱老师	6699
<input type="checkbox"/>	2 2019级计算机科学与技术	2019	计算机科学与技术	王老师	5432	李老师	9809
<input type="checkbox"/>	3 2020级物理学	2020	物理学	张老师	8744	胡老师	5678
<input type="checkbox"/>	4 2020级数字媒体技术	2020	数字媒体技术	余老师	9854	马老师	2374
*	(NULL) (NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

代码执行之后t_classroom:

Query x Query Builder Schema Designer								
Autocomplete: [Tab]->Next Tag. [Ctrl+Space]->List Matching Tags. [Ctrl+Enter]->List All Tags.								
1 t_classroom								
<								
1 Messages 2 Table Data 3 Info 4 History								
All rows Rows in a range First 0 100 rows Refresh								
	id	name	grade	special	teacher1	moblie1	teacher2	moblie2
<input type="checkbox"/>	1	2020级物联网工程班	2020	物联网工程	刘老师	7788	朱老师	6699
<input type="checkbox"/>	2	2019级计算机科学与技术	2019	计算机科学与技术	王老师	5432	李老师	9809
<input type="checkbox"/>	4	2020级数字媒体技术	2020	数字媒体技术	余老师	9854	马老师	2374
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

- 修改数据表中的数据

代码如下:

```
public static void update() {
    Connection con = null;
    PreparedStatement ps = null;
    try {
        String url = "jdbc:mysql://localhost:3306/20w1w_manager";
        String user = "20w1w";
        String password = "20w1w123";
        con = DriverManager.getConnection(url,user,password);
        String sql = "update t_classroom set moblie1='9087' where id=2";
        ps = con.prepareStatement(sql);
        ps.executeUpdate();
    } catch (SQLException e) {
        e.printStackTrace();
    } finally {
        try {
            if (ps!=null) ps.close();
        } catch (SQLException throwables) {
            throwables.printStackTrace();
        }
        try {
            if (con!=null) con.close();
        } catch (SQLException throwables) {
            throwables.printStackTrace();
        }
    }
}
```

代码执行前t_classroom:

Query x Query Builder Schema Designer

Autocomplete: [Tab]->Next Tag. [Ctrl+Space]->List Matching Tags. [Ctrl+Enter]->List All Tags.

```
1 t_classroom
```

1 Messages 2 Table Data 3 Info 4 History

First 0 100 rows Refresh

	id	name	grade	special	teacher1	moblie1	teacher2	moblie2
<input type="checkbox"/>	1	2020级物联网工程班	2020	物联网工程	刘老师	7788	朱老师	6699
<input type="checkbox"/>	2	2019级计算机科学与技术	2019	计算机科学与技术	王老师	5432	李老师	9809
<input type="checkbox"/>	4	2020级数字媒体技术	2020	数字媒体技术	余老师	9854	马老师	2374
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

代码执行后t_classroom:

Query x Query Builder Schema Designer

Autocomplete: [Tab]->Next Tag. [Ctrl+Space]->List Matching Tags. [Ctrl+Enter]->List All Tags.

```
1 t_classroom
```

1 Messages 2 Table Data 3 Info 4 History

First 0 100 rows Refresh

	id	name	grade	special	teacher1	moblie1	teacher2	moblie2
<input type="checkbox"/>	1	2020级物联网工程班	2020	物联网工程	刘老师	7788	朱老师	6699
<input type="checkbox"/>	2	2019级计算机科学与技术	2019	计算机科学与技术	王老师	9087	李老师	9809
<input type="checkbox"/>	4	2020级数字媒体技术	2020	数字媒体技术	余老师	9854	马老师	2374
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

- 根据id查询数据

代码如下:

```

public static void loadById() {
    Connection con = null;
    PreparedStatement ps = null;
    ResultSet rt = null;
    try {
        String url = "jdbc:mysql://localhost:3306/20w1w_manager";
        String user = "20w1w";
        String password = "20w1w123";
        con = DriverManager.getConnection(url,user,password);
        String sql = "select * from t_classroom where id=2";
        ps = con.prepareStatement(sql);
        rt = ps.executeQuery();
        while (rt.next()) {
            int id = rt.getInt("id");
            String name = rt.getString("name");
            String grade = rt.getString("grade");
            String special = rt.getString("special");
            String t1 = rt.getString("teacher1");
            String m1 = rt.getString("moblie1");
            String t2 = rt.getString("teacher2");
            String m2 = rt.getString("moblie2");

            System.out.println(id+","+name+","+grade+","+special+","+t1+","+m1+","+t2+","+m2);
        }
    } catch (SQLException e) {
        e.printStackTrace();
    } finally {
        try {
            if (rt!=null) rt.close();
        } catch (SQLException throwables) {
            throwables.printStackTrace();
        }
        try {
            if (ps!=null) ps.close();
        } catch (SQLException throwables) {
            throwables.printStackTrace();
        }
        try {
            if (con!=null) con.close();
        } catch (SQLException throwables) {
            throwables.printStackTrace();
        }
    }
}

```

运行结果如下:

```
//根据id查数据
public static void loadById() {
    Connection con = null;
    PreparedStatement ps = null;
}

TestTdbc x
E:\Java\jdk1.8.0_112\bin\java.exe ...
Sun Mar 27 18:53:33 CST 2022 WARN: Establishing SSL connection without server's identity verification is not recommended
2,2019级计算机科学与技术,2019,计算机科学与技术,王老师,9087,李老师,9809

Process finished with exit code 0
```

- 列出表中的数据

代码如下：

```

public static void load() {
    Connection con = null;
    PreparedStatement ps = null;
    ResultSet rs = null;
    try{
        String url = "jdbc:mysql://localhost:3306/20w1w_manager";
        String user = "20w1w";
        String password = "20w1w123";
        con = DriverManager.getConnection(url,user,password);
        String sql = "select * from t_classroom";
        ps = con.prepareStatement(sql);
        rs = ps.executeQuery();
        while (rs.next()){
            int id = rs.getInt("id");
            String name = rs.getString("name");
            String grade = rs.getString("grade");
            String special = rs.getString("special");
            String teacher1 = rs.getString("teacher1");
            String moblie1 = rs.getString("moblie1");
            String teacher2 = rs.getString("teacher2");
            String moblie2 = rs.getString("moblie2");

            System.out.println(id+","+name+","+grade+","+special+","+teacher1+","+moblie1+","+
            teacher2+","+moblie2);
        }
        catch (SQLException e) {
            e.printStackTrace();
        } finally {
            try {
                if(rs!=null) rs.close();
            } catch (SQLException throwables) {
                throwables.printStackTrace();
            }
            try {
                if(ps!=null) ps.close();
            } catch (SQLException throwables) {
                throwables.printStackTrace();
            }
            try {
                if(con!=null) con.close();
            } catch (SQLException throwables) {
                throwables.printStackTrace();
            }
        }
    }
}

```

运行结果如下：


```
public static void load() {  
    Connection con = null;  
    PreparedStatement ps = null;  
    ResultSet rs = null;  
    try{
```

TestTdbc X

```
1,2020级物联网工程班,2020,物联网工程,刘老师,7788,朱老师,6699  
2,2019级计算机科学与技术,2019,计算机科学与技术,王老师,9087,李老师,9809  
4,2020级数字媒体技术,2020,数字媒体技术,余老师,9854,马老师,2374
```

Process finished with exit code 0