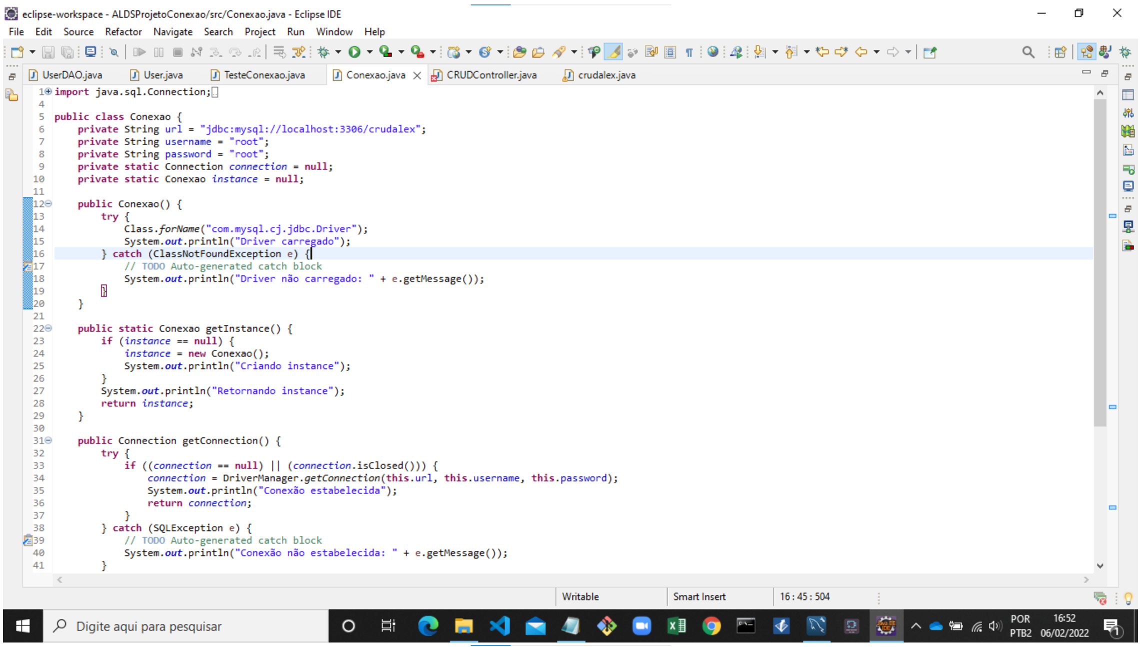
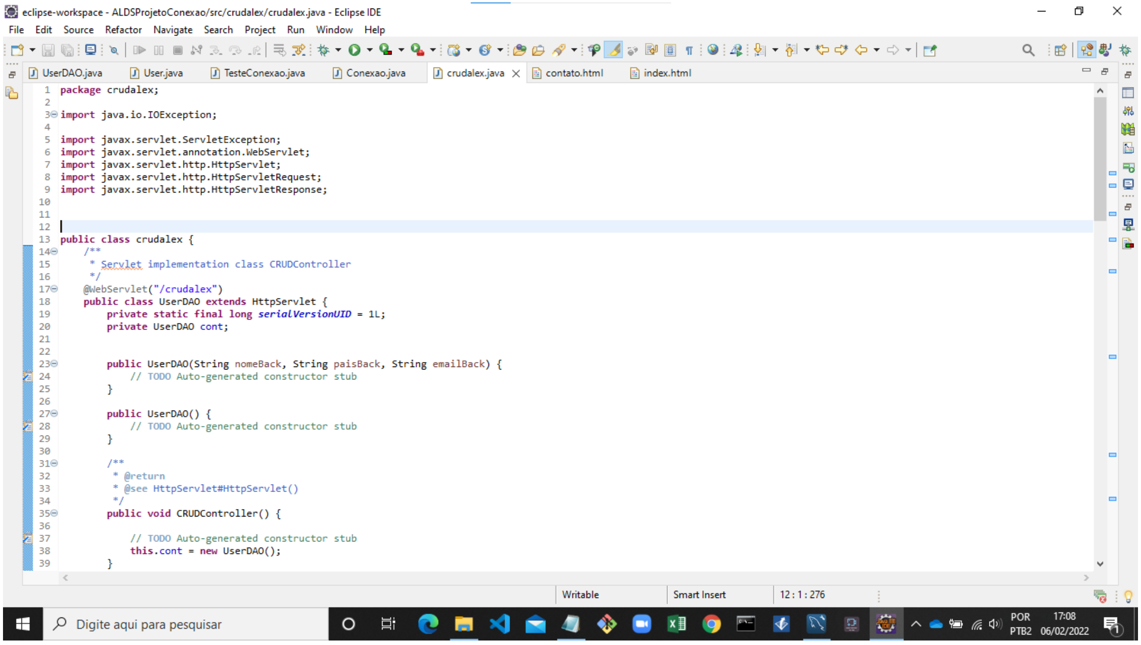
# EVIDENCIAS:



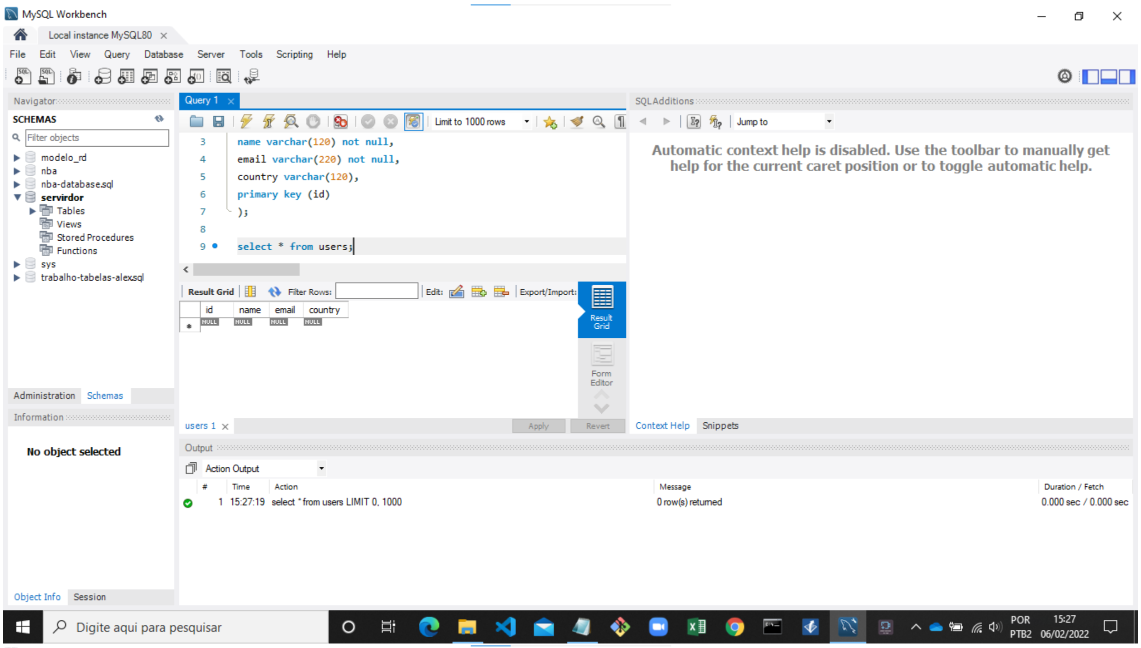
eclipse-workspace - ALDSProjetoConexao/src/Conexao.java - Eclipse IDE

```java
import java.sql.Connection;

public class Conexao {
    private String url = "jdbc:mysql://localhost:3306/crudalex";
    private String username = "root";
    private String password = "root";
    private static Connection connection = null;
    private static Conexao instance = null;

    public Conexao() {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            System.out.println("Driver carregado");
        } catch (ClassNotFoundException e) {
            // TODO Auto-generated catch block
            System.out.println("Driver não carregado: " + e.getMessage());
        }
    }

    public static Conexao getInstance() {
        if (instance == null) {
            instance = new Conexao();
            System.out.println("Criando instance");
        }
        System.out.println("Retornando instance");
        return instance;
    }

    public Connection getConnection() {
        try {
            if ((connection == null) || (connection.isClosed())) {
                connection = DriverManager.getConnection(this.url, this.username, this.password);
                System.out.println("Conexão estabelecida");
                return connection;
            }
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            System.out.println("Conexão não estabelecida: " + e.getMessage());
        }
```



eclipse-workspace - ALDSProjetoConexao/src/crudalex/crudalex.java - Eclipse IDE

```java
package crudalex;

import java.io.IOException;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;



public class crudalex {
    /**
     * Servlet implementation class CRUDController
     */
    @WebServlet("/crudalex")
    public class UserDAO extends HttpServlet {
        private static final long serialVersionUID = 1L;
        private UserDAO cont;


        public UserDAO(String nomeBack, String paisBack, String emailBack) {
            // TODO Auto-generated constructor stub
        }

        public UserDAO() {
            // TODO Auto-generated constructor stub
        }

        /**
         * @return
         * @see HttpServlet#HttpServlet()
         */
        public void CRUDController() {

            // TODO Auto-generated constructor stub
            this.cont = new UserDAO();
        }
```



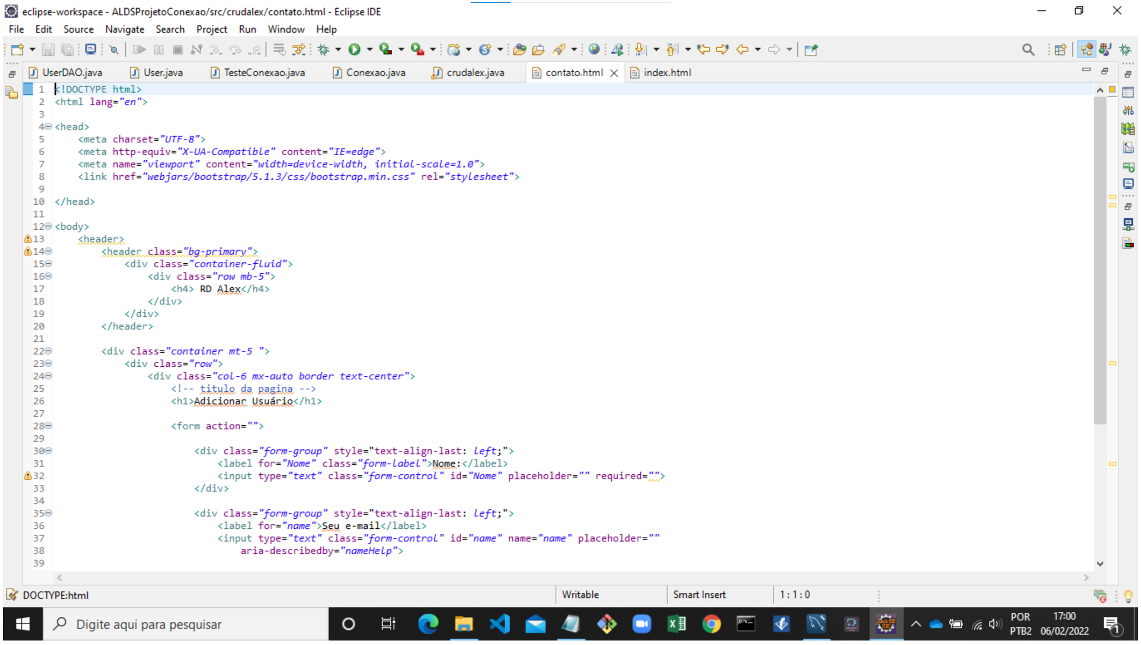
```sql
name varchar(120) not null,
email varchar(220) not null,
country varchar(120),
primary key (id)
);

select * from users;
```

| id | name | email | country |
|---|---|---|---|
| NULL | NULL | NULL | NULL |

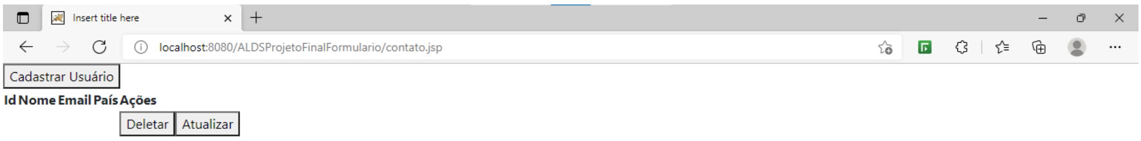
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

No object selected

```
#  Time      Action                              Message            Duration / Fetch
1  15:27:19  select * from users LIMIT 0, 1000   0 row(s) returned  0.000 sec / 0.000 sec
```


eclipse-workspace - ALDSProjetoConexao/src/crudalex/contato.html - Eclipse IDE
File Edit Source Navigate Search Project Run Window Help
UserDAO.java
User.java
TesteConexao.java
Conexao.java
crudalex.java
contato.html
index.html
DOCTYPE:html
Writable
Smart Insert
1 : 1 : 0
Digite aqui para pesquisar
POR PTB2
17:00 06/02/2022

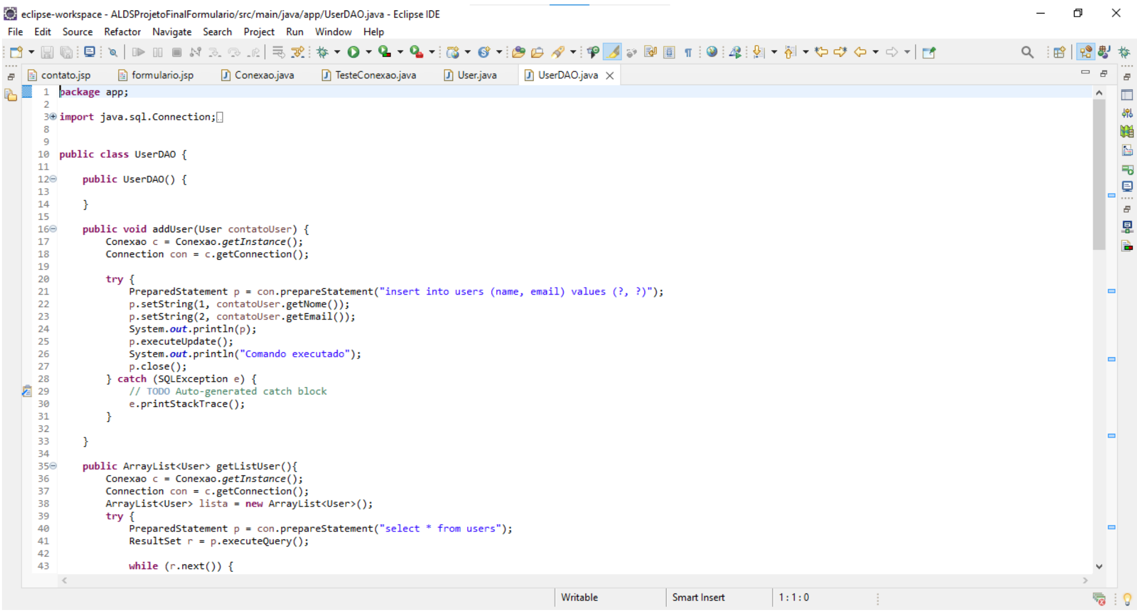
```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link href="webjars/bootstrap/5.1.3/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>
    <header>
        <header class="bg-primary">
            <div class="container-fluid">
                <div class="row mb-5">
                    <h4> RD Alex</h4>
                </div>
            </div>
        </header>

        <div class="container mt-5 ">
            <div class="row">
                <div class="col-6 mx-auto border text-center">
                    <!-- titulo da pagina -->
                    <h1>Adicionar Usuário</h1>

                    <form action="">

                        <div class="form-group" style="text-align-last: left;">
                            <label for="Nome" class="form-label">Nome:</label>
                            <input type="text" class="form-control" id="Nome" placeholder="" required="">
                        </div>

                        <div class="form-group" style="text-align-last: left;">
                            <label for="name">Seu e-mail</label>
                            <input type="text" class="form-control" id="name" name="name" placeholder=""
                                aria-describedby="nameHelp">

```



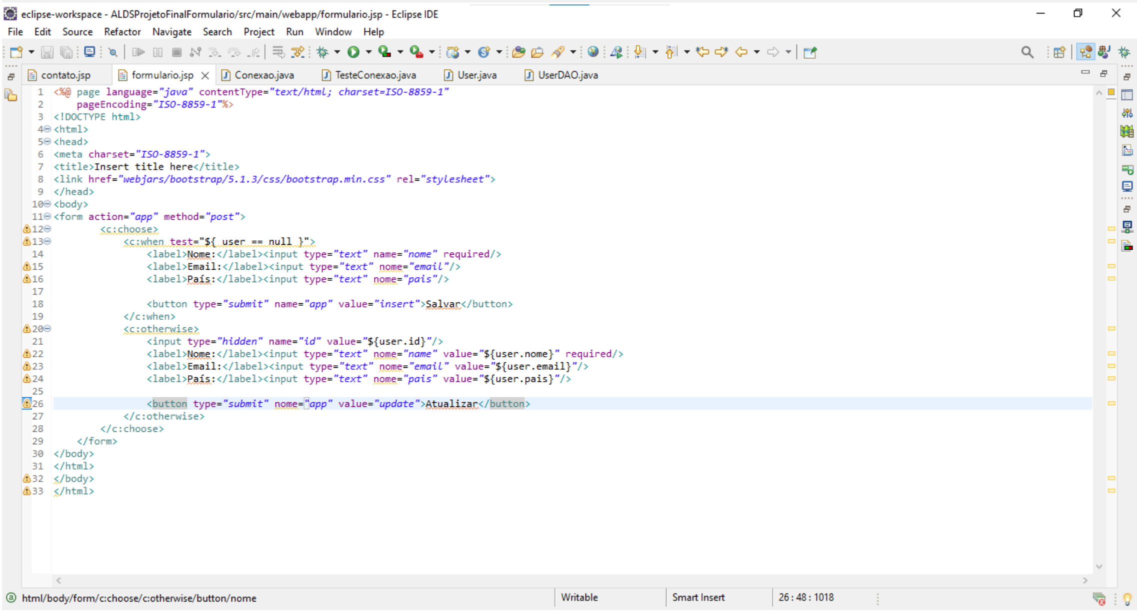
Cadastrar Usuário

**Id Nome Email País Ações**

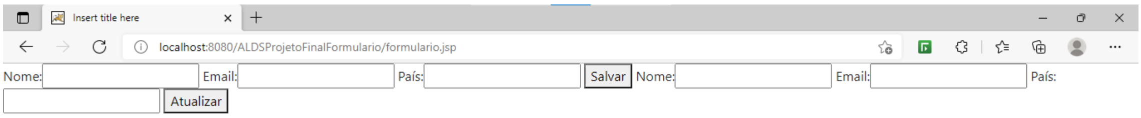
Deletar Atualizar

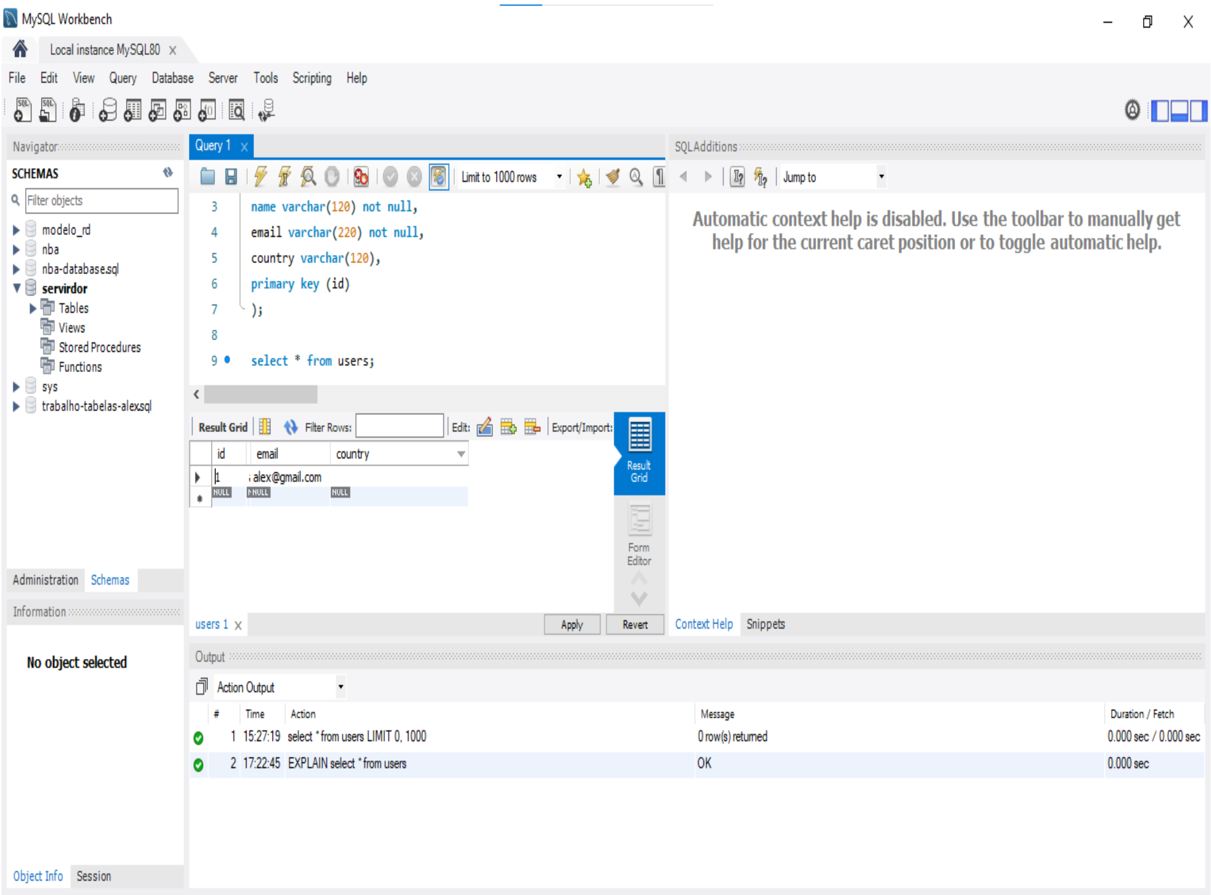

eclipse-workspace - ALDSProjetoFinalFormulario/src/main/java/app/UserDAO.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
contato.jsp
formulario.jsp
Conexao.java
TesteConexao.java
User.java
UserDAO.java
Writable
Smart Insert
1 : 1 : 0

```java
package app;

import java.sql.Connection;


public class UserDAO {

    public UserDAO() {

    }

    public void addUser(User contatoUser) {
        Conexao c = Conexao.getInstance();
        Connection con = c.getConnection();

        try {
            PreparedStatement p = con.prepareStatement("insert into users (name, email) values (?, ?)");
            p.setString(1, contatoUser.getNome());
            p.setString(2, contatoUser.getEmail());
            System.out.println(p);
            p.executeUpdate();
            System.out.println("Comando executado");
            p.close();
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }

    }

    public ArrayList<User> getListUser(){
        Conexao c = Conexao.getInstance();
        Connection con = c.getConnection();
        ArrayList<User> lista = new ArrayList<User>();
        try {
            PreparedStatement p = con.prepareStatement("select * from users");
            ResultSet r = p.executeQuery();

            while (r.next()) {
```


eclipse-workspace - ALDSProjetoFinalFormulario/src/main/webapp/formulario.jsp - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
contato.jsp
formulario.jsp
Conexao.java
TesteConexao.java
User.java
UserDAO.java
html/body/form/c:choose/c:otherwise/button/nome
Writable
Smart Insert
26 : 48 : 1018

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<link href="webjars/bootstrap/5.1.3/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
<form action="app" method="post">
        <c:choose>
            <c:when test="${ user == null }">
                <label>Nome:</label><input type="text" name="nome" required/>
                <label>Email:</label><input type="text" nome="email"/>
                <label>País:</label><input type="text" nome="pais"/>

                <button type="submit" name="app" value="insert">Salvar</button>
            </c:when>
            <c:otherwise>
                <input type="hidden" name="id" value="${user.id}"/>
                <label>Nome:</label><input type="text" nome="name" value="${user.nome}" required/>
                <label>Email:</label><input type="text" nome="email" value="${user.email}"/>
                <label>País:</label><input type="text" nome="pais" value="${user.pais}"/>

                <button type="submit" nome="app" value="update">Atualizar</button>
            </c:otherwise>
        </c:choose>
    </form>
</body>
</html>
</body>
</html>
```



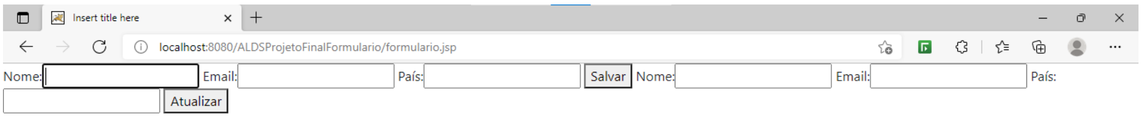


```
name varchar(120) not null,
email varchar(220) not null,
country varchar(120),
primary key (id)
);

select * from users;
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

| id | email | country |
|---|---|---|
| 1 | alex@gmail.com | |
| NULL | NULL | NULL |

```
#  Time      Action                                   Message              Duration / Fetch
1  15:27:19  select * from users LIMIT 0, 1000        0 row(s) returned    0.000 sec / 0.000 sec
2  17:22:45  EXPLAIN select * from users              OK                   0.000 sec
```


Insert title here
localhost:8080/ALDSProjetoFinalFormulario/formulario.jsp
Nome:
Email:
País:
Salvar
Nome:
Email:
País:
Atualizar