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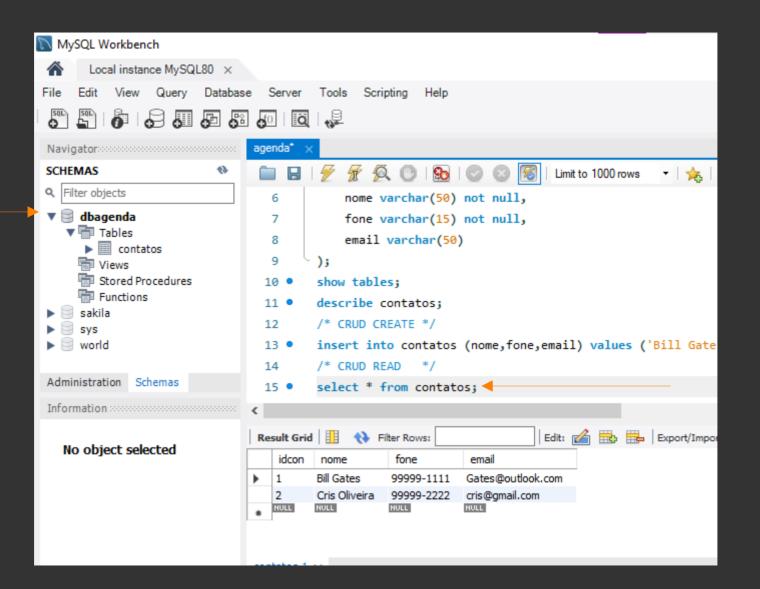


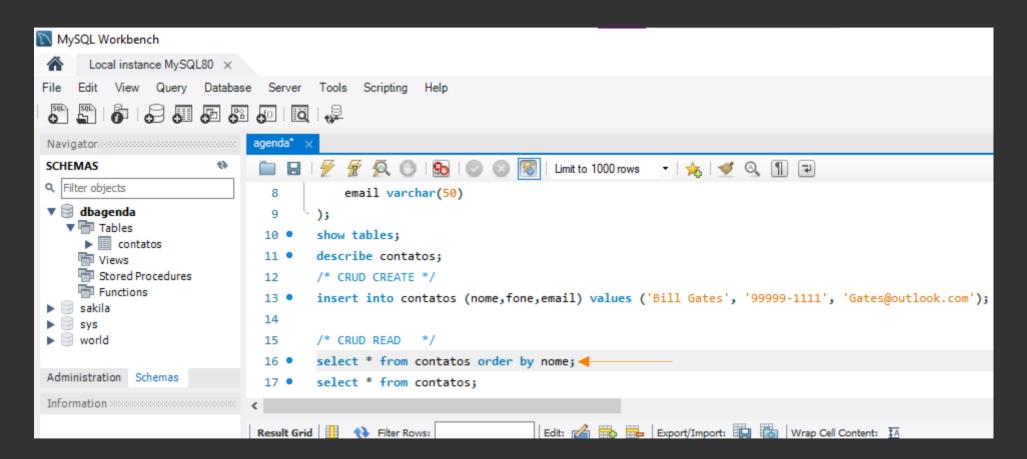
MySQL Connections ⊕ **③** 

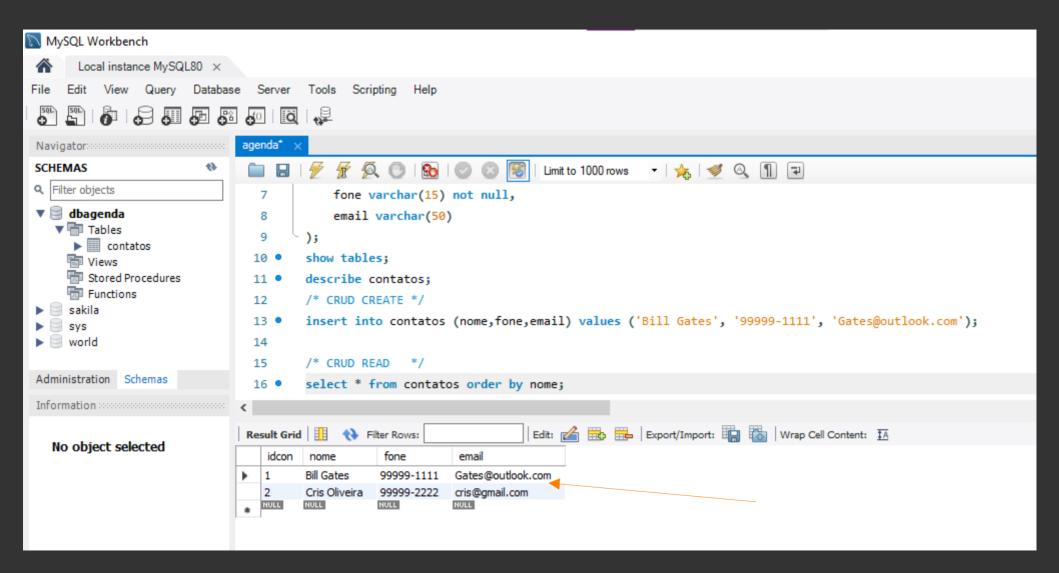
Local instance MySQL80

♣ root
†\*\* localhost:3306

Akilles101





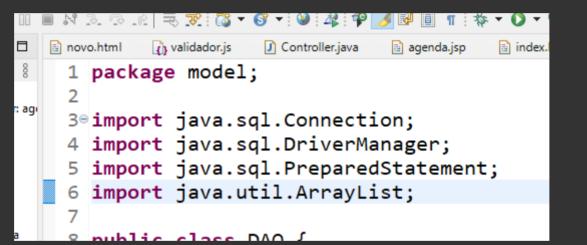


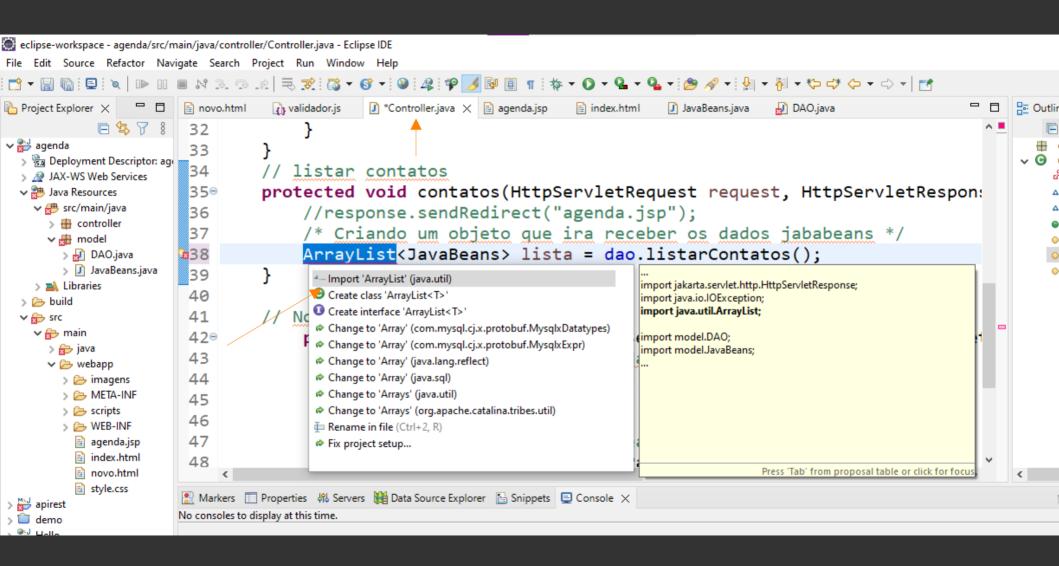
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🧱 eclipse-workspace - agenda/src/main/java/model/DAO.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
      Project Explorer X
                    novo.html
                              validador.js
                                         agenda.isp
                                                                index.html
                                                                           JavaBeans.java
                                                                                       PreparedStatement pst = con.prepareStatement(create);
                     46
          □ $ 7 %
                     47
                                         subistituir os parametros ? pelo conteudo das variaveis ja
v 📂 agenda
  > 🔚 Deployment Descriptor: age
                     48
                                       pst.setString(1, contato.getNome());
  JAX-WS Web Services
                                       pst.setString(2, contato.getFone());
                     49
 pst.setString(3, contato.getEmail());
                     50
   > # controller
                     51
                                      // EXECUTAR A OUERY
    52
                                      pst.executeUpdate();
    DAO.java
                                          ENCERRAR A CONEXÃO AO BANCO DE DADOS
                     53
      JavaBeans.java
   > M Libraries
                                       con.close();
                     54
  > 🗁 build
                     55
                                  } catch (Exception e) {
 V 🇁 src
                     56
                                      System.out.println(e);
   v 🇁 main
     > 🗁 java
                     57
     58
      > 🗁 imagens
                                CRUD READ
      > > META-INF
                     59
      > 🗁 scripts
                     60
      > > WEB-INF
                     61 }
        agenda.jsp
                     62
        index.html
        novo.html
        style.css
                    🦹 Markers 🔳 Properties 🚜 Servers 🛍 Data Source Explorer 📔 Snippets 💂 Console 🗶
> 🕌 apirest
                    No consoles to display at this time.
> iii demo
> 🎥 Hello
```

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eclipse-workspace - agenda/src/main/java/model/DAO.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
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                                                   Controller.java
                                                                                index.html
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                                                                                                            agenda.jsp
                                                pst.setString(1, contato.getNome());
                          48
             pst.setString(2, contato.getFone());
49
  > % Deployment Descriptor: ago
                          50
                                                pst.setString(3, contato.getEmail());
  > A JAX-WS Web Services
                          51
                                                // EXECUTAR A OUERY
  52
                                                pst.executeUpdate();
    > # controller
                          53
                                                    ENCERRAR A CONEXÃO AO BANCO DE DADOS
      54
                                                con.close();
        > DAO.java
                                          } catch (Exception e) {
                          55
        JavaBeans.java
    > Mathematics
                          56
                                                System.out.println(e);
  > 🗁 build

✓ P src

                          58
    v 🇁 main
      > 🗁 java
                          59
                                        CRUD READ
      public ArrayList<JavaBeans> listarContatos() {
                         260⊝
        > imagens
                          61
        > > META-INF
                                                4— Import 'ArrayList' (java.util)
                                                                                              import java.sql.DriverManager;
        > > cripts
                                                © Create class 'ArravList<T>'
                          62
                                                                                              import java.sql.PreparedStatement;
        > > WEB-INF
                                                Create interface 'ArrayList<T>'
                                                                                              import java.util.ArrayList;
                          63
          agenda.jsp
                                                Change to 'Array' (com.mysql.cj.x.protobuf.MysqlxDatatypes)
                          64
          index.html
                                                Change to 'Array' (com.mysql.cj.x.protobuf.MysqlxExpr)
          novo.html
                                                Change to 'Array' (java.lang.reflect)
          style.css
                         Markers Properties & Se
                                                Change to 'Array' (java.sql)
 👑 apirest
                                                Change to 'Arrays' (java.util)
                        No consoles to display at this time.
 demo
                                                 Change to 'Arrays' (organische catalina tribes util)
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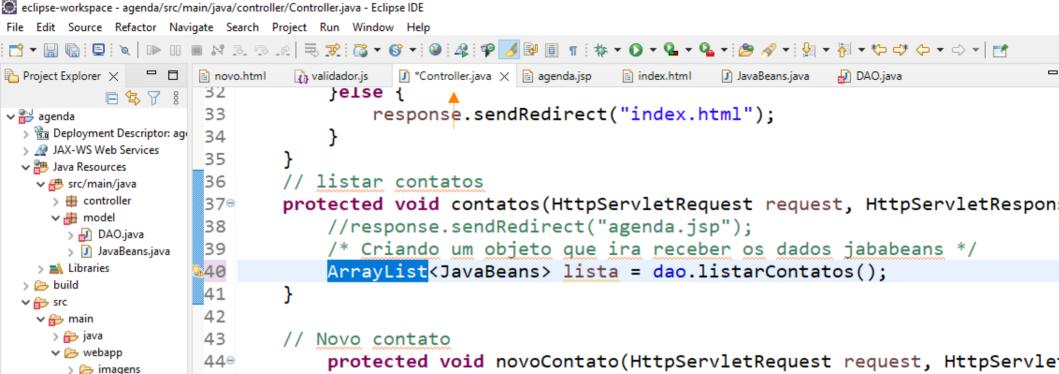




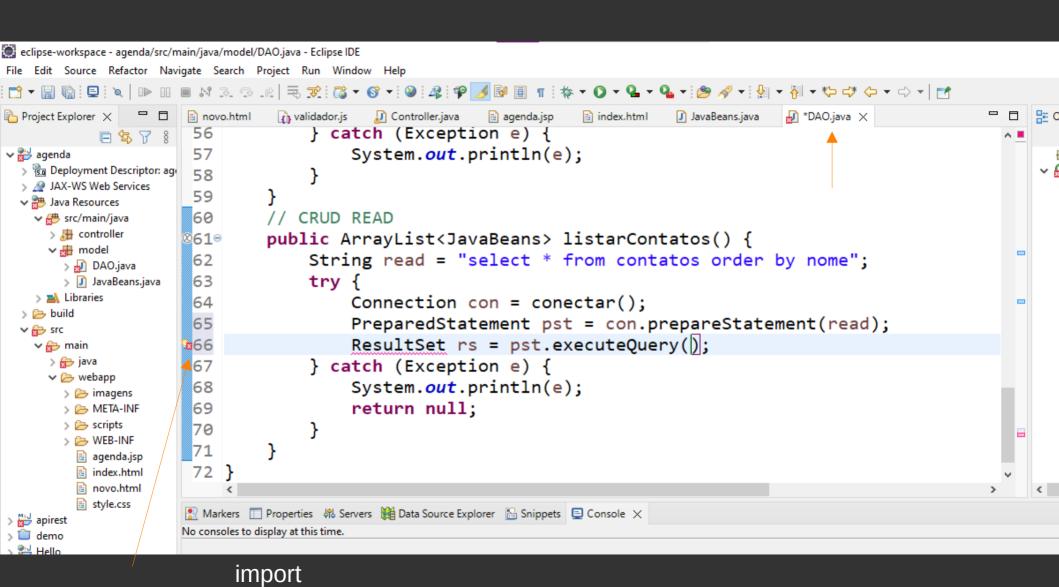
novo.html validador.js \*Controller.java × agenda.jsp

package controller;

import java.io.IOException;
import java.util.ArrayList;



Comente ou apague o response.sendRedirect("agenda.jsp"); Linha 38



```
Connection con = conectar();

PreparedStatement pst = con.prepareStatement(read);

ResultSet rs = pst.executeQuery();

Create class 'ResultSet' (java.sql)

Create interface 'ResultSet'

Create interface 'ResultSet'
```

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.ArrayList;
```

```
🧱 eclipse-workspace - agenda/src/main/java/model/DAO.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer X
                     novo.html
                                () validador.js
                                                                               J JavaBeans.java
                                                                                            ■ DAO.java ×
                                           Controller.java
                                                         agenda.jsp
                                                                    index.html
           CRUD READ
public ArrayList<JavaBeans> listarContatos() {
                     a62⊝
  > % Deployment Descriptor: ago
                      63
                                    String read = "select * from contatos order by nome";
  > AP JAX-WS Web Services
  64
                                    trv {

→ 

æ
 src/main/java

                      65
                                         Connection con = conectar();
     > A controller
                      66
                                         PreparedStatement pst = con.prepareStatement(read);
     > 🗐 DAO.java
                      67
                                         ResultSet rs = pst.executeQuery();
       > J JavaBeans.iava
                      68
                                            o laco abaixo sera executado enquanto tiver contatos
   > M Libraries
                                         while (rs.next()) {
                      69
  > 🎘 build
                                              // variaveis de apoio que recebem os dados do banco
  70

→ ← main

                      71
                                              String idcon = rs.getString(1);
     > 🔂 java
                      72
     > 🗁 imagens
                                    } catch (Exception e) {
                      73
                                                                                                                       > > META-INF
                      74
                                         System.out.println(e);
       > 🗁 scripts
                      75
                                         return null;
       > > WEB-INF
        agenda.jsp
                      76
        index.html
                      77
        novo.html
        style.css
                     📳 Markers 🔳 Properties 🚜 Servers 🏙 Data Source Explorer 🔓 Snippets 📮 Console 🗶
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🧱 eclipse-workspace - agenda/src/main/java/model/DAO.java - Eclipse IDE
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                      novo.html
                                                                                  J JavaBeans.java

♠ DAO.java ×
                                 k validador.js
                                             agenda.jsp
                                                                       index.html
                       64
                                     try {
           同 $ 7 8
                       65
                                          Connection con = conectar():
v 📸 agenda
  > % Deployment Descriptor; ago
                       66
                                           PreparedStatement pst = con.prepareStatement(read);
  > A JAX-WS Web Services
                       67
                                           ResultSet rs = pst.executeQuery();

→ 

→ Java Resources

                                           // o laço abaixo sera executado enquanto tiver contatos
   ∨ # src/main/java
                       68
     > 🔠 controller
                                          while (rs.next()) {
                       69

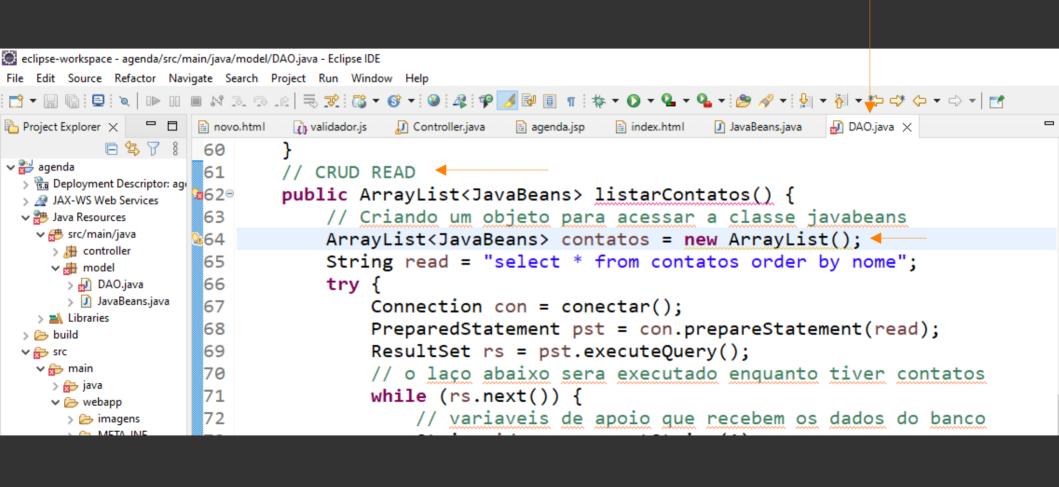
✓ 

→ model

                       70
                                                // variaveis de apoio que recebem os dados do banco
       > 🚮 DAO.java
                       71
                                                String idcon = rs.getString(1);
       JavaBeans.java
   > M Libraries
                       72
                                                String nome = rs.getString(2);
  > 🇁 build
                       73
                                                String fone = rs.getString(3);
  74
                                                String email = rs.getString(4);

→ ← main

     > 🔂 java
                       75
     76
                                     } catch (Exception e) {
       > 🗁 imagens
                       77
                                          System.out.println(e);
       > 🇀 META-INF
       > 🗁 scripts
                       78
                                           return null;
       > 🌦 WEB-INF
                       79
         agenda.jsp
                       80
        index.html
        novo.html
        style.css
                      📳 Markers 🔃 Properties 🙌 Servers 📔 Data Source Explorer 📔 Snippets 📮 Console 🔀
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eclipse-workspace - agenda/src/main/java/model/DAO.java - Eclipse IDE
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♠ DAO.java ×

                               validador.js
                                          Controller.java
                                                       agenda.jsp
                                                                 index.html
                                                                            JavaBeans.java
          Connection con = conectar();
🗸 💒 agenda
                     68
                                       PreparedStatement pst = con.prepareStatement(read);
  > 📆 Deployment Descriptor: ago
                     69
                                       ResultSet rs = pst.executeQuery();
  JAX-WS Web Services

→ 

→ Java Resources

                     70
                                       // o laço abaixo sera executado enquanto tiver contatos

✓ ## src/main/java
                     71
                                       while (rs.next()) {
     > A controller
                     72
                                            // variaveis de apoio que recebem os dados do banco

✓ 

→ model

      > 🗐 DAO.java
                     73
                                            String idcon = rs.getString(1);
      JavaBeans.iava
                     74
                                            String nome = rs.getString(2);
   > M Libraries
                     75
                                            String fone = rs.getString(3);
  > 🇁 build
                                            String email = rs.getString(4);
                     76

✓ ← src

✓ ← main

                     77
                                            // populando o array list
     > 😥 java
                     78
                                            contatos.add(new JavaBeans(idcon, nome, fone, email));
     webapp
                     79
      > 🗁 imagens
      > > META-INF
                                   } catch (Exception e) {
                     80
      > 🗁 scripts
                     81
                                       System.out.println(e);
      > > WEB-INF
                     82
                                       return null;
        agenda.jsp
        index.html
                     83
        novo.html
        style.css
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eclipse-workspace - agenda/src/main/java/model/DAO.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
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Project Explorer X
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                                             Controller.java
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                                                                                                □ $ 7 :
                                                                                                                           A -
                                                   variaveis de apoio que recebem os dados do banco
73
                                                String idcon = rs.getString(1);
  > % Deployment Descriptor: ago
                       74
                                                String nome = rs.getString(2);
  > A JAX-WS Web Services
                       75
                                                String fone = rs.getString(3);

▼ 

## src/main/java

                       76
                                                String email = rs.getString(4);
     > A controller
                       77
                                                // populando o array list

✓ Æ model

                       78
                                                contatos.add(new JavaBeans(idcon,nome,fone,email));
       > III DAO.java
       > J JavaBeans.java
                       79
    > M Libraries
                       80
                                           con.close();
  > 海 build
                       81
                                           return contatos;

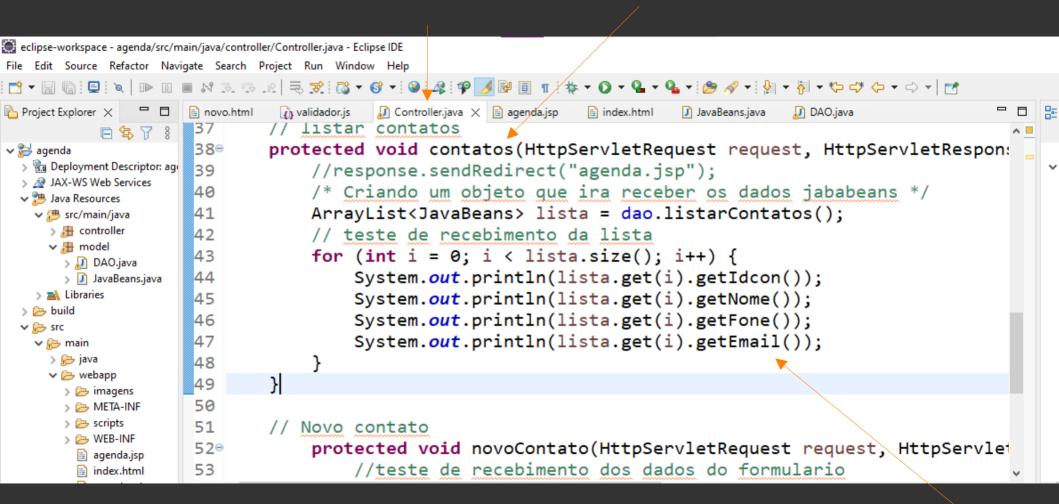
✓ R

src

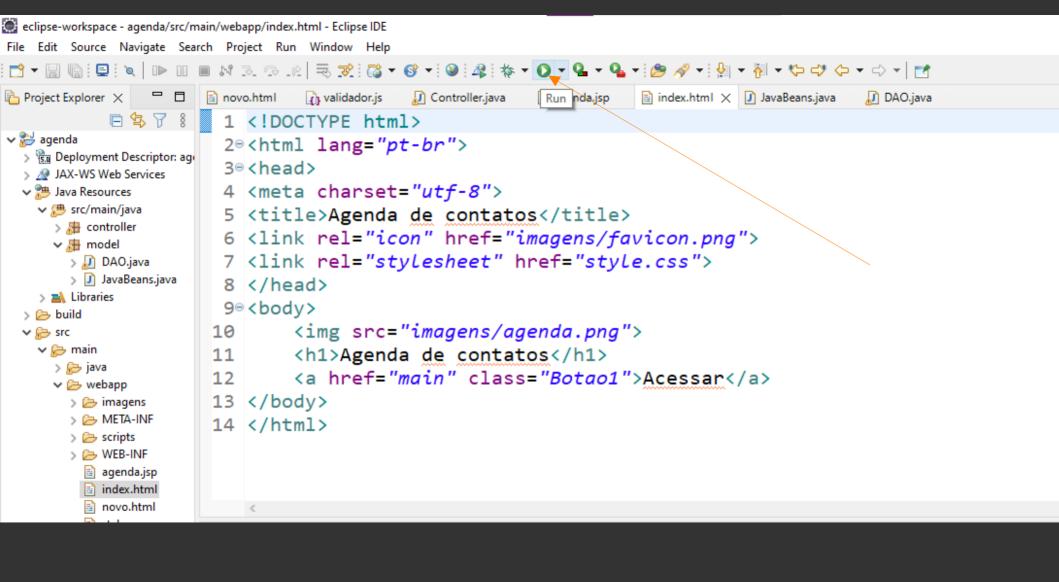
✓ R

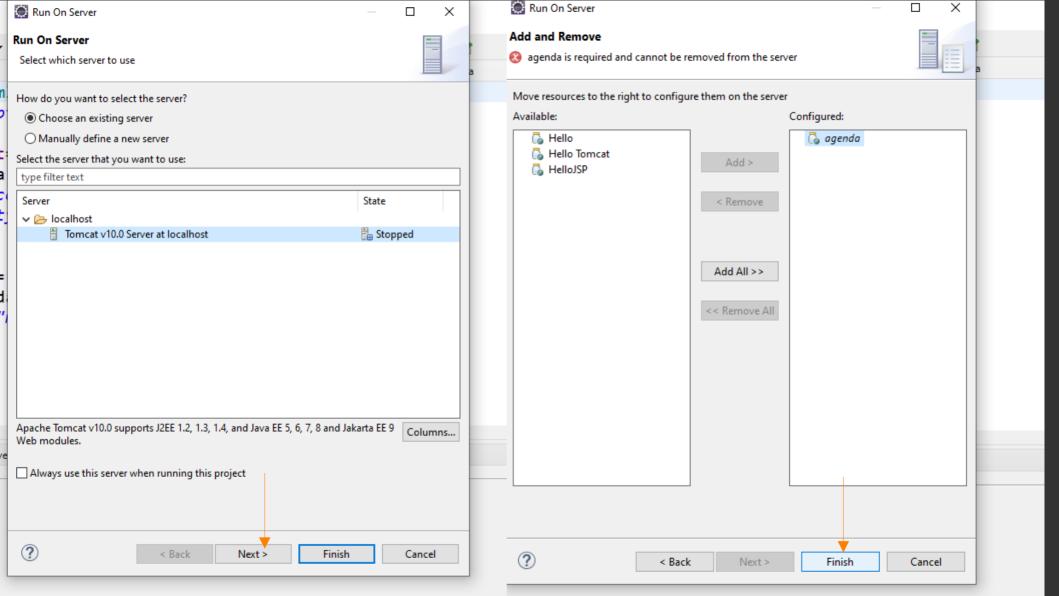
main

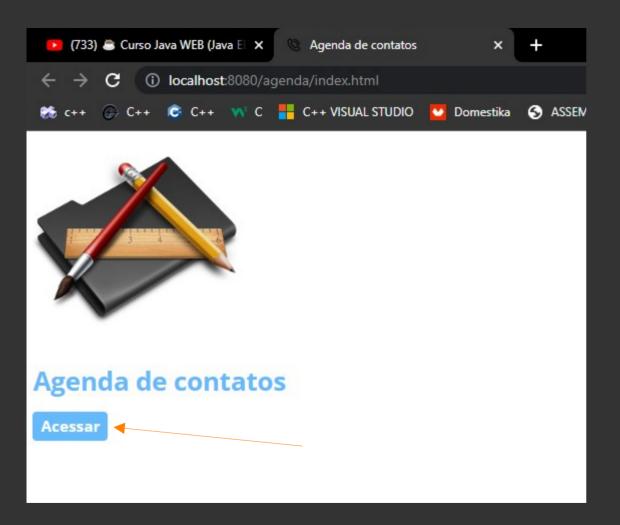
                       82
                                     } catch (Exception e) {
     > 🕞 java
                       83
                                          System.out.println(e);
     v 🇁 webapp
                                           return null;
                       84
       > 🗁 imagens
       > > META-INF
                       85
       > 🗁 scripts
                       86
       > > WEB-INF
                       87 }
        agenda.jsp
        index.html
                       88
        novo.html
                           <
```

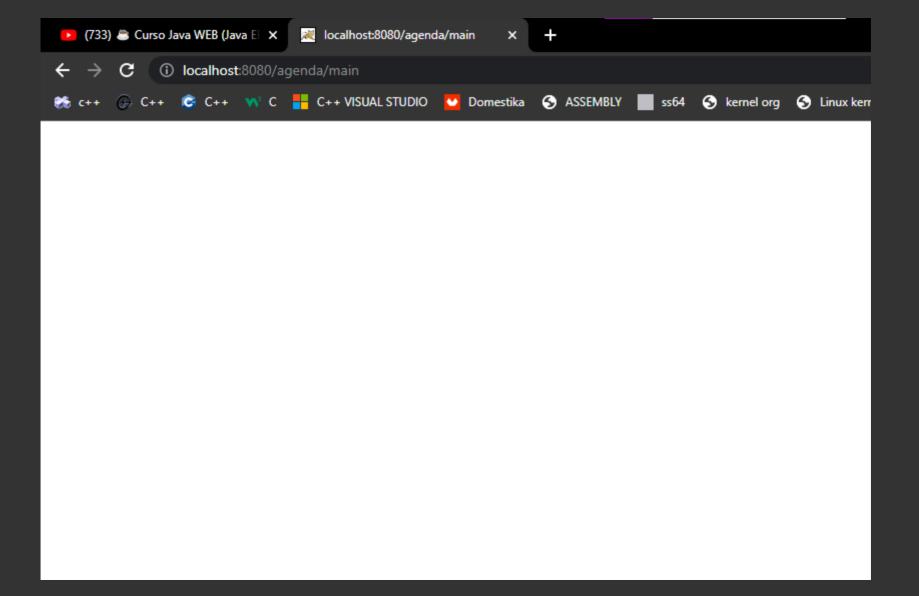


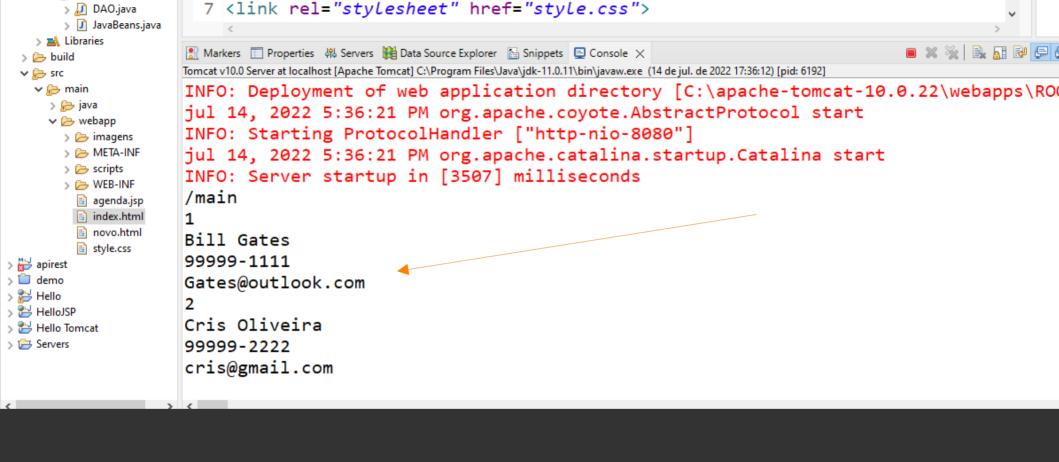
Salve tudo selecione o index.html e execute



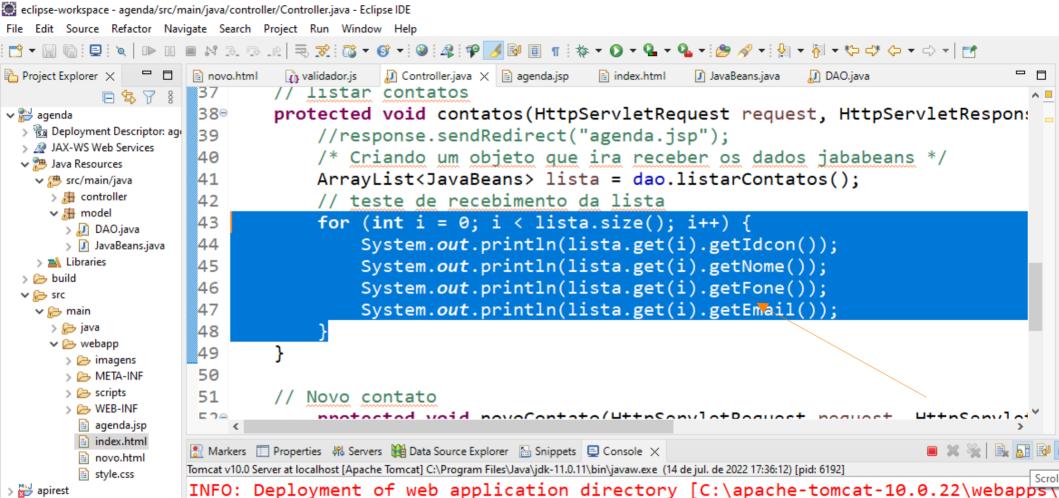








Ele retorna tudo que esta armazenado no banco de dados



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🌉 eclipse-workspace - agenda/src/main/java/controller/Controller.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
                     Project Explorer X
                      novo.html
                                             🎵 *Controller.java 🗶 📳 agenda.jsp
                                                                       index.html
                                                                                   JavaBeans.java
                                                                                                DAO.java
                                                                                                                           th validador.is
                       37
                                    listar contatos
           □ $ 7 8
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🗸 🞥 agenda
                       389
                                protected void contatos(HttpServletRequest request, HttpServletRespons
  > 🛼 Deployment Descriptor: age
                       39
                                     //response.sendRedirect("agenda.jsp");
  > A JAX-WS Web Services
                                     /* Criando um objeto que ira receber os dados jababeans */
                       40
  ArrayList<JavaBeans> lista = dao.listarContatos();
                      41

▼ 

## src/main/java

     > A controller
                                     // teste de recebimento da lista
                       42

✓ Æ model

                       43
                                     /*for (int i = 0; i < lista.size(); i++) {
       > III DAO.java
                                          System.out.println(lista.get(i).getIdcon());
                       44
       JavaBeans.java
    > M Libraries
                       45
                                          System.out.println(lista.get(i).getNome());
  > 🇁 build
                       46
                                          System.out.println(lista.get(i).getFone());

✓ R

src

                                          System.out.println(lista.get(i).getEmail());
                       47
   v 🎘 main
     > 🐎 java
                       48
                                     }*/
     webapp
                       49
       > 🗁 imagens
                       50
       > > META-INF
       > 🗁 scripts
                       51
                                    Novo contato
       > > WEB-INF
                                     protected void noveContate(UttnSonvlotDoguest neguest
                       E 2 @
         agenda.jsp
        index.html
                                                                                                              🦹 Markers 🔳 Properties 🚜 Servers 📔 Data Source Explorer 🔓 Snippets 📮 Console 🗶
         novo.html
                      Tomcat v10.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-11.0.11\bin\javaw.exe (14 de jul. de 2022 17:36:12) [pid: 6192]
         style.css
                      INFO: Deployment of web application directory [C:\apache-tomcat-10.0.22\webapps\RO
 > 👑 apirest
> iii demo
                      iul 14, 2022 5:36:21 PM org.apache.covote.AbstractProtocol start
> 🎥 Hello
```