

Despliegue de Aplicaciones Web:

JDBC 6

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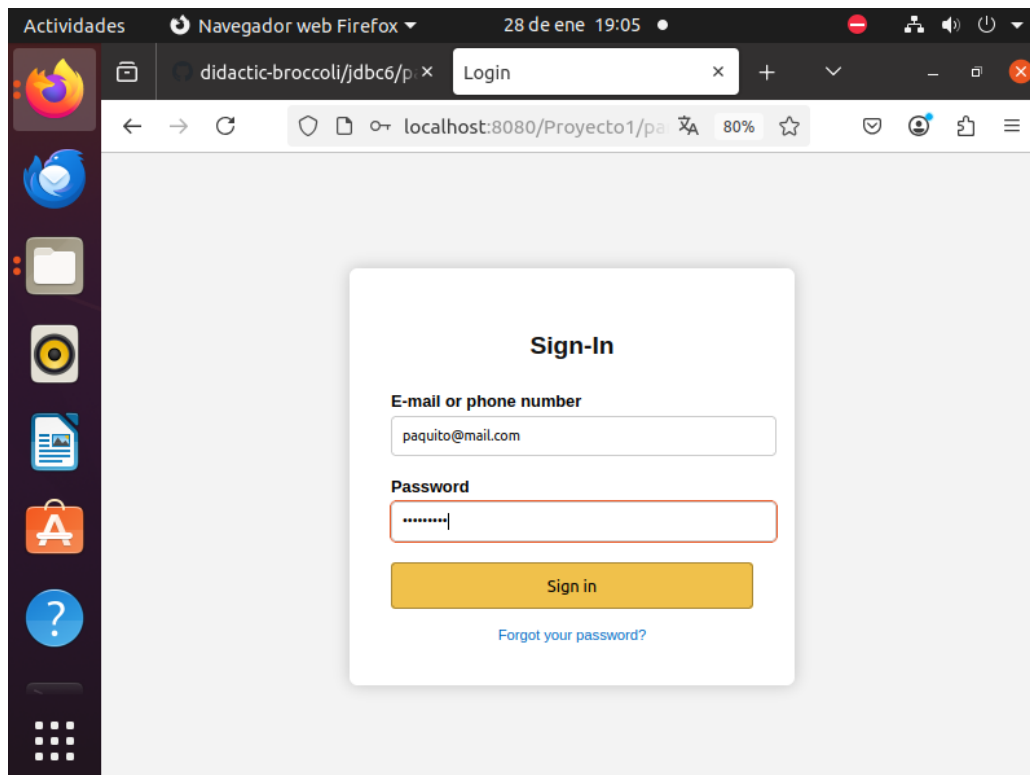
Instituto: I.E.S La Sènia.

Año: 2025-2026.

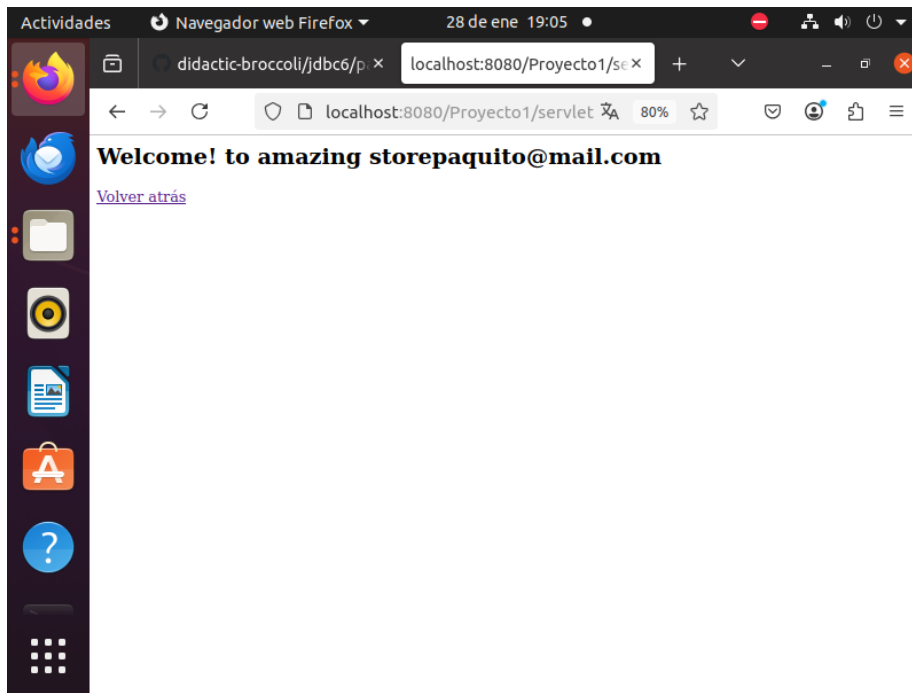
Program a login system similar to the screenshot (taken from Amazon website). The website should let the user insert e-mail (or phone number) and password. If they are right, a welcome message has to show up. But if the user and/or password are wrong, a failure message has to show up. Translate the example form shown below into English:

For this task we had to create a new table, give permissions to the user “alumno” and insert a new “usuario”:

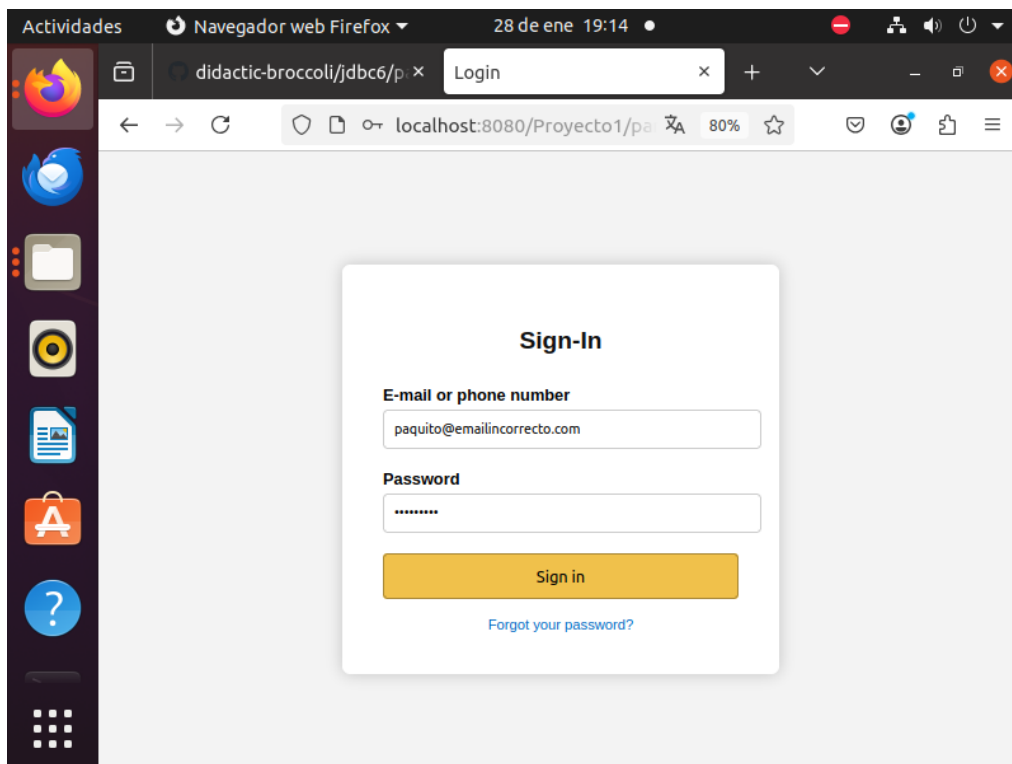
Here we have the user input:



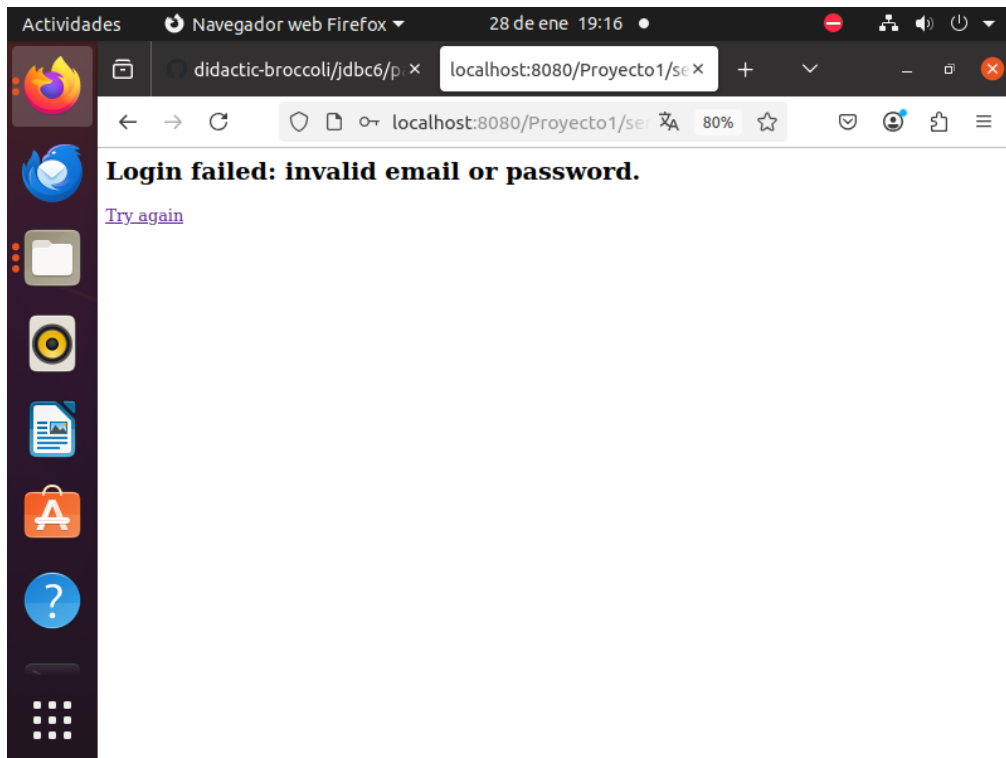
The output when the user exists



We tried with a non-existent user:



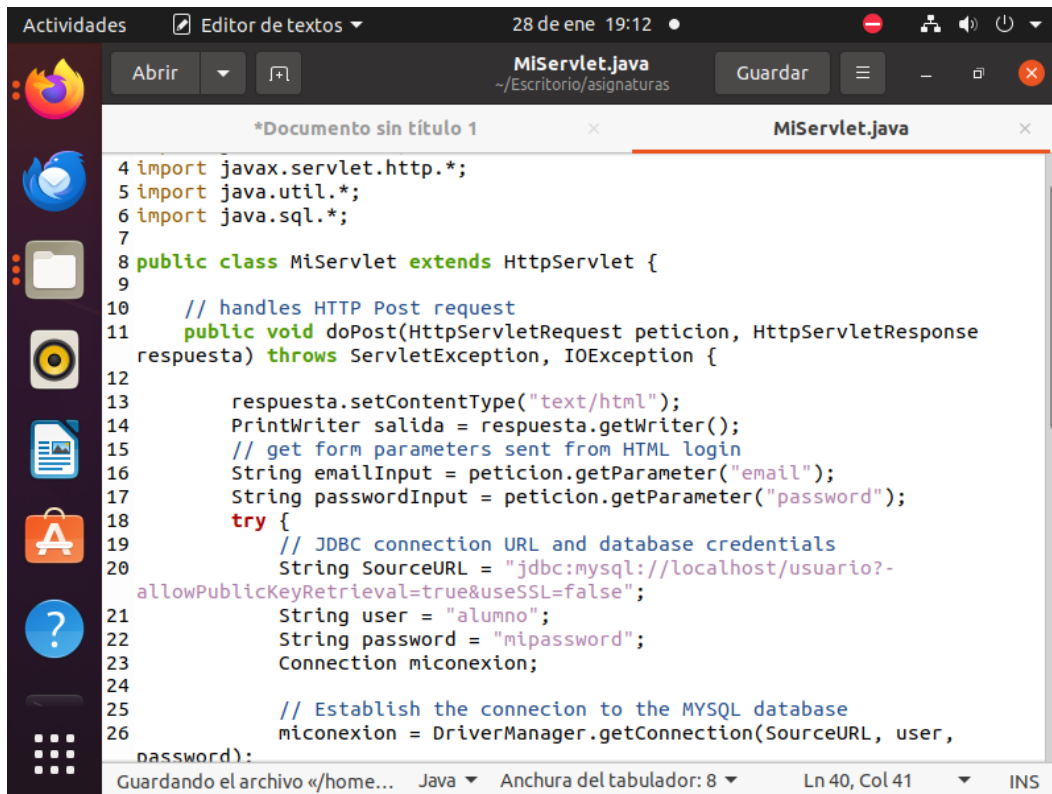
The output:



Sample of the usuario database:

```
vboxuser@ubuntu20: ~  
mysql> show databases;  
+-----+  
| Database |  
+-----+  
| bdprueba |  
| information_schema |  
| performance_schema |  
| usuario |  
+-----+  
4 rows in set (0,00 sec)  
  
mysql> use usuario  
Reading table information for completion of table and column names  
You can turn off this feature to get a quicker startup with -A  
  
Database changed  
mysql> select * from usuario;  
ERROR 1146 (42S02): Table 'usuario.usuario' doesn't exist  
mysql> select * from usuarios;  
+-----+  
| id | email | password |  
+-----+  
| 1 | paquito@mail.com | 123456789 |  
+-----+  
1 row in set (0,00 sec)  
  
mysql>
```

Code with comments in English:



The screenshot shows a Linux desktop with a dark theme. On the left is a vertical dock with icons for Firefox, a mail client, a file manager, a terminal, a web browser, and a help icon. The main window is a text editor titled 'Editor de textos' with a timestamp of '28 de ene 19:12'. It has two tabs: '*Documento sin título 1' and 'MiServlet.java'. The 'MiServlet.java' tab is active and contains the following Java code:

```
4 import javax.servlet.http.*;
5 import java.util.*;
6 import java.sql.*;
7
8 public class MiServlet extends HttpServlet {
9
10     // handles HTTP Post request
11     public void doPost(HttpServletRequest petition, HttpServletResponse
    respuesta) throws ServletException, IOException {
12
13         respuesta.setContentType("text/html");
14         PrintWriter salida = respuesta.getWriter();
15         // get form parameters sent from HTML login
16         String emailInput = petition.getParameter("email");
17         String passwordInput = petition.getParameter("password");
18         try {
19             // JDBC connection URL and database credentials
20             String SourceURL = "jdbc:mysql://localhost/usuario?-
    allowPublicKeyRetrieval=true&useSSL=false";
21             String user = "alumno";
22             String password = "mipassword";
23             Connection miconexion;
24
25             // Establish the connection to the MYSQL database
26             miconexion = DriverManager.getConnection(SourceURL, user,
    password);
```

The status bar at the bottom indicates 'Guardando el archivo «/home... Java', 'Anchura del tabulador: 8', 'Ln 40, Col 41', and 'INS'.

Actividades Editor de textos 28 de ene 19:17

MiServlet.java
~/Escritorio/asignaturas

Abrir Guardar

*Documento sin título 1 MiServlet.java

```
23 Connection miconexion;
24
25 // Establish the connection to the MYSQL database
26 miconexion = DriverManager.getConnection(SourceURL, user,
password);
27 PreparedStatement ps;
28 //sql query to validate email and pass
29 String sql = "SELECT * FROM usuarios WHERE email=? AND
password=?";
30 ps = miconexion.prepareStatement(sql);
31 //set the values for the prepared statement
32 ps.setString(1, emailInput);
33 ps.setString(2, passwordInput);
34 ResultSet misresultados = ps.executeQuery();
35 // if a record is found, credentials are correct
36 if (misresultados.next()) {
37 //retrieve values from the database
38 String email= misresultados.getString("email");
39 String passw= misresultados.getString("password");
40 //unnecessary comparation :l
41 if(email.equals(emailInput) && passw.equals(passwordInput)){
42
43 salida.println("<h2>Welcome! to amazing store"+email+"</-
h2>");
44 salida.println("<a href='parametros.html'>Volver atrás</-
```

Java Anchura del tabulador: 8 Ln 45, Col 22 INS

Actividades Editor de textos 28 de ene 19:17

MiServlet.java
~/Escritorio/asignaturas

Abrir Guardar

*Documento sin título 1 MiServlet.java

```
33 ps.setString(2, passwordInput);
34 ResultSet misresultados = ps.executeQuery();
35 // if a record is found, credentials are correct
36 if (misresultados.next()) {
37 //retrieve values from the database
38 String email= misresultados.getString("email");
39 String passw= misresultados.getString("password");
40 //unnecessary comparation :l
41 if(email.equals(emailInput) && passw.equals(passwordInput)){
42
43 salida.println("<h2>Welcome! to amazing store"+email+"</-
h2>");
44 salida.println("<a href='parametros.html'>Volver atrás</-
a>");
45 } }else {
46 salida.println("<h2>Login failed: invalid email or
password.</h2>");
47 salida.println("<a href='parametros.html'>Try again</a>");
48
49 } catch (Exception e) {
50 salida.println(e);
51 salida.println("</BODY></HTML>");
52 }
53
54 }
55 }
```

Java Anchura del tabulador: 8 Ln 45, Col 22 INS