

## Despliegue de Aplicaciones Web:

JDBC 6

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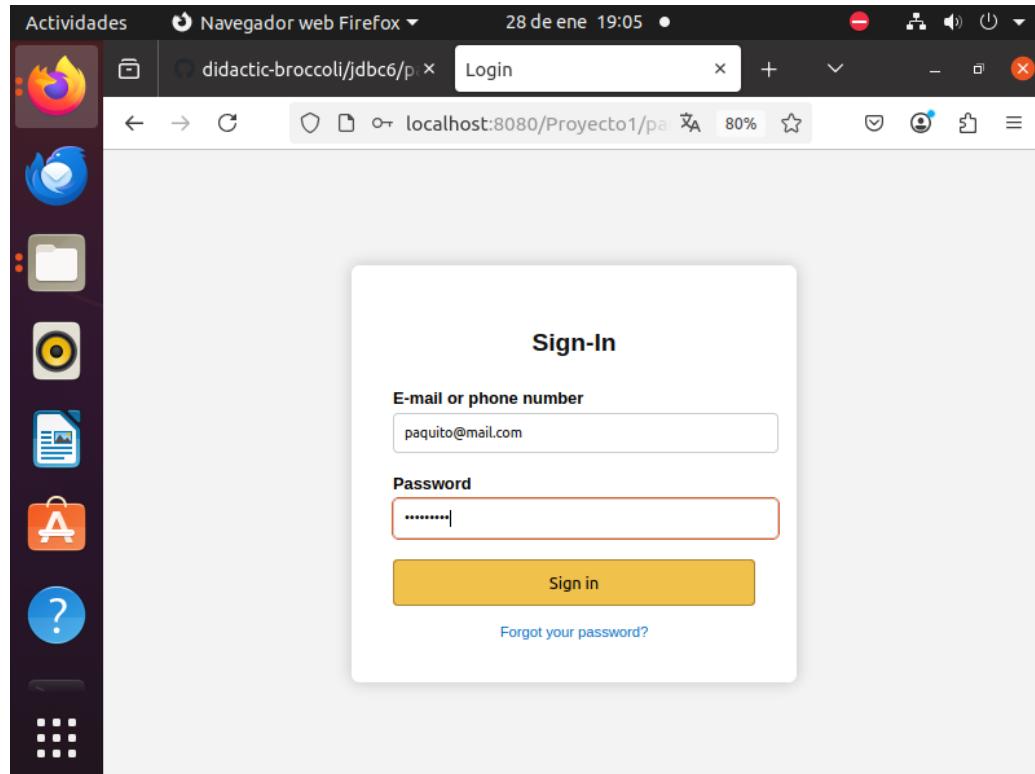
**Instituto:** I.E.S La Sènia.

**Año:** 2025-2026.

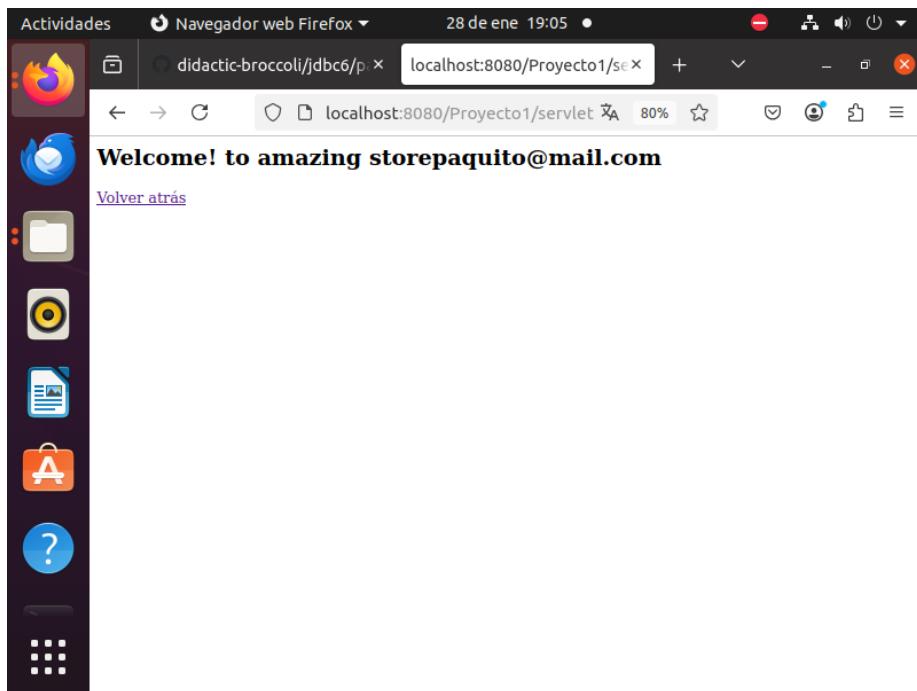
Program a login system similar to the screenshot (taken from Amazon website). The website should let the user insert e-mail (or phone number) and password. If they are right, a welcome message has to show up. But if the user and/or password are wrong, a failure message has to show up. Translate the example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

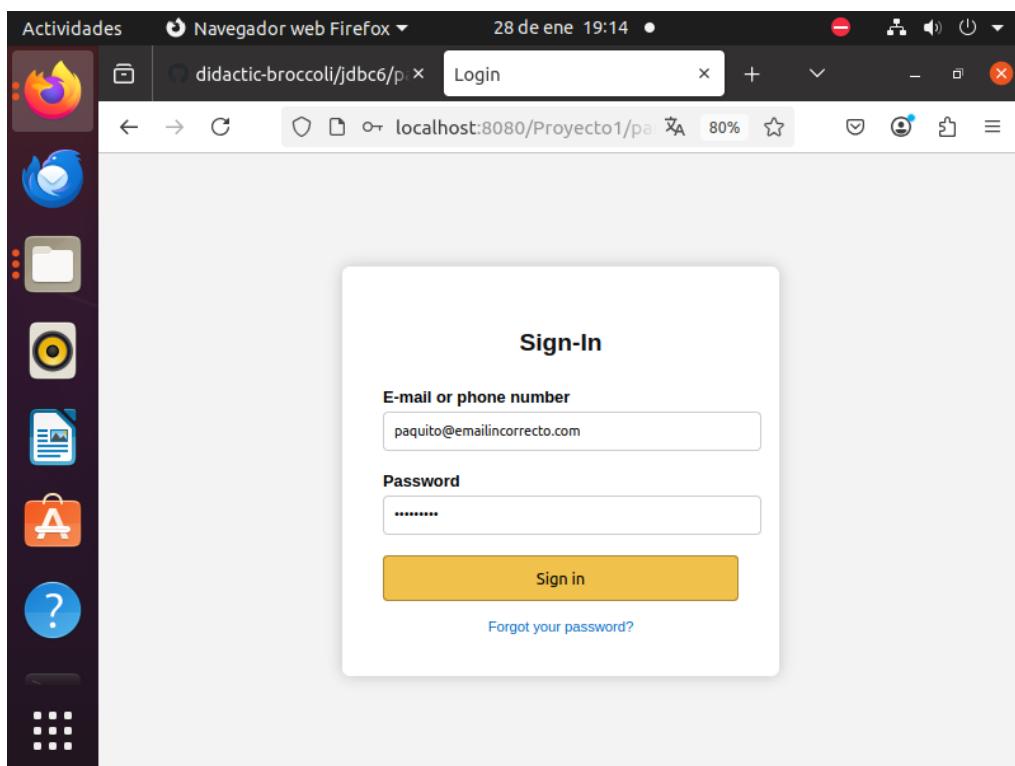
Here we have the user input:



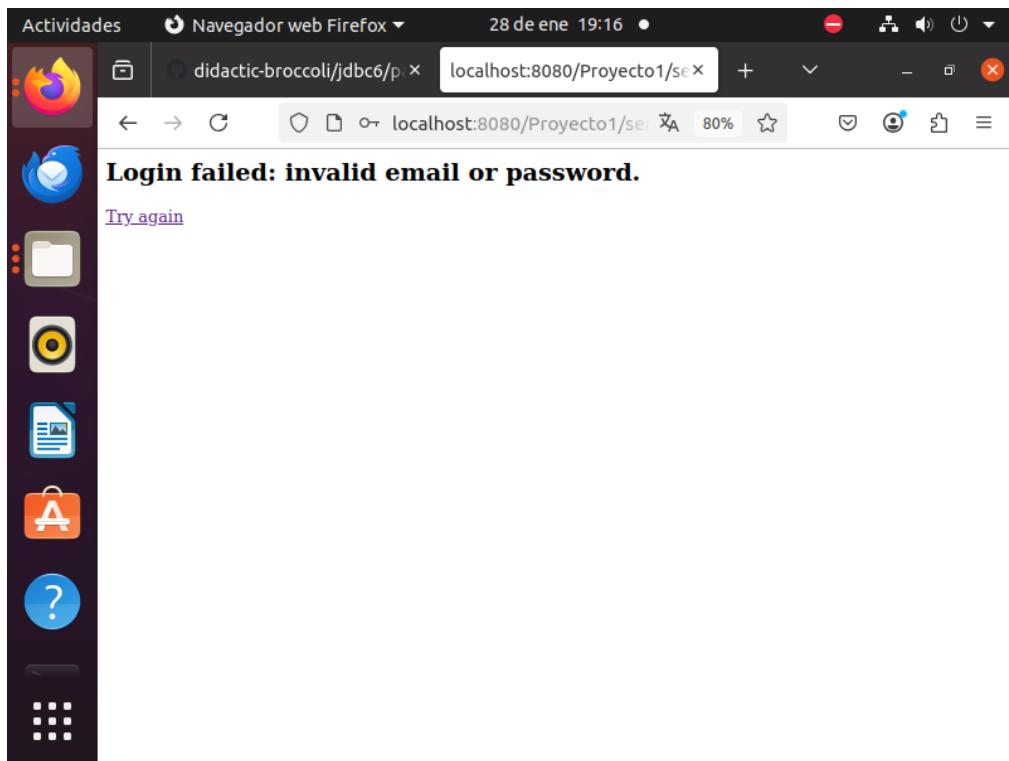
The output when the user exists



We tried with a non-existent user:



The output:



Sample of the usuario database:

A screenshot of a terminal window on a Linux system. The user is connected to the MySQL database as 'vboxuser'. They first run a command to list databases, which shows 'bdprueba', 'information\_schema', 'performance\_schema', and 'usuario'. Then they switch to the 'usuario' database. Finally, they run a query to select all rows from the 'usuarios' table, which returns one row with id 1 and email 'paquito@mail.com'.

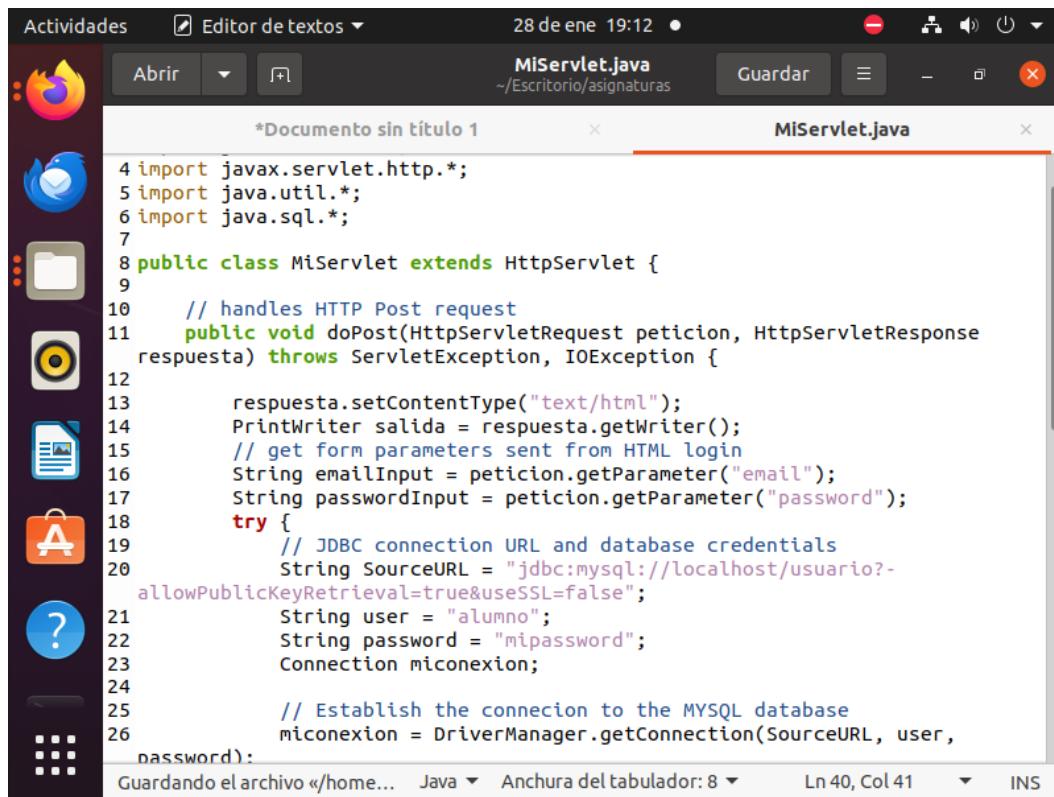
```
vboxuser@ubuntu20: ~
+-----+
| Database      |
+-----+
| bdprueba     |
| information_schema |
| performance_schema |
| usuario       |
+-----+
4 rows in set (0,00 sec)

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 terminal window titled "MiServlet.java" in a "Editor de textos" window. The window has a dark theme with orange and white icons. The terminal shows Java code for a servlet that handles POST requests and connects to a MySQL database. The code includes imports for javax.servlet.http, java.util, and java.sql. It defines a class MiServlet that extends HttpServlet. The doPost method retrieves form parameters for email and password, then establishes a JDBC connection to a MySQL database using the provided URL, user, and password.

```
Actividades Editor de textos • 28 de ene 19:12 ●
Abrir ▾ Guardar MiServlet.java -/Escritorio/asignaturas
*Documento sin título 1 MiServlet.java x
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 peticion, HttpServletResponse
12                      respuesta) throws ServletException, IOException {
13
14        respuesta.setContentType("text/html");
15        PrintWriter salida = respuesta.getWriter();
16        // get form parameters sent from HTML login
17        String emailInput = peticion.getParameter("email");
18        String passwordInput = peticion.getParameter("password");
19        try {
20            // JDBC connection URL and database credentials
21            String SourceURL = "jdbc:mysql://localhost/usuario?-
22            allowPublicKeyRetrieval=true&useSSL=false";
23            String user = "alumno";
24            String password = "mipassword";
25            Connection miconexion;
26
27            // Establish the connection to the MYSQL database
28            miconexion = DriverManager.getConnection(SourceURL, user,
29                                            password);
Guardando el archivo «/home... Java Anchura del tabulador: 8 Ln 40, Col 41 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,
27         password);
28     PreparedStatement ps;
29     //sql query to validate email and pass
30     String sql = "SELECT * FROM usuarios WHERE email=? AND
31         password=?";
32     ps = miconexion.prepareStatement(sql);
33     //set the values for the prepared statement
34     ps.setString(1, emailInput);
35     ps.setString(2, passwordInput);
36     ResultSet misresultados = ps.executeQuery();
37     // if a record is found, credentials are correct
38     if (misresultados.next()) {
39         //retrieve values from the database
40         String email= misresultados.getString("email");
41         String passw= misresultados.getString("password");
42         //unnecessary comparison :
43         if(email.equals(emailInput) & passw.equals(passwordInput)){
44
45             salida.println("<h2>Welcome! to amazing store"+email+"</->");
46             salida.println("<a href='parametros.html'>Volver atrás</a>");
47         } }else {
48             salida.println("<h2>Login failed: invalid email or
49             password.</h2>");
50             salida.println("<a href='parametros.html'>Try again</a>");
51         }
52     }
53 }
54 }
```

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

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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 comparison :
41         if(email.equals(emailInput) && passw.equals(passwordInput)){
42
43             salida.println("<h2>Welcome! to amazing store"+email+"</->");
44             salida.println("<a href='parametros.html'>Volver atrás</a>");
45         } }else {
46             salida.println("<h2>Login failed: invalid email or
47             password.</h2>");
48             salida.println("<a href='parametros.html'>Try again</a>");
49         }
50     }
51 }
```

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