Correction applications traitement des instructions SQL avec JDBC

1. ## Objectifs

   - Établir une connexion à la base de données.
   - Exécuter une requête Update avec un Statement
   - Obtenir les résultats dans un ResultSet
   - Examiner quelques méthodes du ResultSet.

2. Application 01

   1. **Énoncé**

      - Vous pouvez visualiser **l'énoncé de l'exercice**

   2. **Solution : Base de données**

```
--
-- Base de données : `gestion-apprenants`
--
DROP DATABASE IF EXISTS `gestion-apprenants`;
CREATE DATABASE IF NOT EXISTS `gestion-apprenants` DEFAULT CHARACTER SET latin1 COLLATE
latin1_swedish_ci;
USE `gestion-apprenants`;

-- --------------------------------------------------------

--
-- Structure de la table `apprenants`
--

DROP TABLE IF EXISTS `apprenants`;
CREATE TABLE IF NOT EXISTS `apprenants` (
  `cdeApp` int(11) NOT NULL,
  `nom` varchar(100) DEFAULT NULL,
  `prenom` varchar(100) DEFAULT NULL,
  `date_naissance` date DEFAULT NULL,
  `genre` tinyint(2) NOT NULL,
```

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```
  `email` varchar(255) DEFAULT NULL,
  `cdeGouv` int(4) DEFAULT NULL,
  `code_postal` varchar(5) DEFAULT NULL,
  PRIMARY KEY (`cdeApp`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Déchargement des données de la table `apprenants`
--

INSERT INTO `apprenants` (`cdeApp`, `nom`, `prenom`, `date_naissance`, `genre`, `email`,
`cdeGouv`, `code_postal`) VALUES
(12325678, 'Elina', 'MOTAFA', '2000-02-10', 2, 'elina@gmail.com', 111, '3541'),
(12345678, 'Mohamed', 'SALHI', '2000-02-17', 1, 'mohamed.salhi@yahoo.fr', 100, '4100'),
(12345679, 'Tarek', 'HARZI', '2001-12-17', 1, 'tarek.harzi@gmail.fr', 110, '4100'),
(12396387, 'Salah', 'MEJBRI', '2000-12-01', 1, 'mejbri@gmail.com', 100, '5412'),
(14735236, 'Mohamed Salah', 'HAJJI', '2021-02-18', 2, 'hajjriadh@gmail.com', 100,
'4587'),
(14783236, 'Mohamed Salah', 'HAJJI', '2021-03-04', 2, 'hajjriadh@gmail.com', 101,
'4587'),
(14785216, 'Mohamed Salah', 'HAJJI', '2021-03-04', 1, 'hajjriadh@gmail.com', 101,
'4587'),
(14785236, 'Riadh', 'HAJJI', '2021-03-03', 1, 'hajjriadh@gmail.com', 100, '4587'),
(21548754, 'ali', 'Tanezefti', '2001-11-02', 1, 'ali@yahoo.fr', 102, '8745'),
(22345678, 'Rafika', 'MENII', '2001-03-30', 2, 'rafika147@yahoo.fr', 110, '3100'),
(62396387, 'Wahida', 'MOTREJ', '2001-11-21', 2, 'mejbri@gmail.com', 102, '5412'),
(64785236, 'Riadh', 'HAJJI', '2021-02-10', 2, 'hajjriadh@gmail.com', 100, '4587');
--
-- Base de données : `motdepasse`
--
DROP DATABASE IF EXISTS `motdepasse`;
CREATE DATABASE IF NOT EXISTS `motdepasse` DEFAULT CHARACTER SET latin1 COLLATE
latin1_swedish_ci;
USE `motdepasse`;

-- --------------------------------------------------------

--
-- Structure de la table `recup_mdp`
--

DROP TABLE IF EXISTS `recup_mdp`;
CREATE TABLE IF NOT EXISTS `recup_mdp` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `code` char(32) COLLATE utf8_unicode_ci NOT NULL,
  `mail` varchar(50) COLLATE utf8_unicode_ci NOT NULL,
```

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```
  PRIMARY KEY (`id`)
) ENGINE=MyISAM AUTO_INCREMENT=2 DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

--
-- Déchargement des données de la table `recup_mdp`
--

INSERT INTO `recup_mdp` (`id`, `code`, `mail`) VALUES
(1, '100', 'hajjriadh@gmail.com');

-- --------------------------------------------------------

--
-- Structure de la table `users`
--

DROP TABLE IF EXISTS `users`;
CREATE TABLE IF NOT EXISTS `users` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `username` varchar(50) NOT NULL,
  `pwd` varchar(255) NOT NULL,
  `email` varchar(100) NOT NULL,
  `date_demande_recuperation_pwd` datetime DEFAULT NULL,
  `pwd_recuperation_token` varchar(200) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=MyISAM AUTO_INCREMENT=16 DEFAULT CHARSET=latin1;

--
-- Déchargement des données de la table `users`
--

INSERT INTO `users` (`id`, `username`, `pwd`, `email`, `date_demande_recuperation_pwd`,
`pwd_recuperation_token`) VALUES
(1, 'johndoe1', '$2y$10$W1u/5k25VPATxcJNOwFzKunINlguThOoVdN8dGF9MWndjbClXjqlK',
'hajjriadh@gmail.com', '2021-02-13 13:00:00', 'o3HUTlAJngPzK7mpO9iR'),
(2, 'johndoe3', 'Password hashé 3', 'johndoe3@monsite.tld', '2019-02-01 00:00:00',
'gfvbfd0D-5Fvjg'),
(15, 'Ali', '$2y$10$cktY60i7fOkdP/Vd2t0CYuG.M2LPbbRomdcXA6Qs0u8LauTpzLehK',
'hajjriadhh@gmail.com', NULL, '');
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

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3. **Solution : Page listeApprenant.jsp**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>

<HTML>
<HEAD>
  <TITLE>insérer des données à l'aide d'une instruction préparée </TITLE>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
giJF6kkoqNQ00vy+HMDP7azOuL0xtbfIcaT9wjKHr8RbDVddVHyTfAAsrekwKmP1"
crossorigin="anonymous">
<style>
.div{padding-left:15px;
        box-shadow: 0 1px 6px rgba(0, 0, 0, 0.12), 0 1px 4px rgba(0, 0, 0, 0.24);
        height: 40px;
        border-radius: 2px;
        font-family: arial;
        font-size: 15px;
        }
</style>
</HEAD>
  <BODY bgcolor="#ffffcc">
   <%
       Class.forName("com.mysql.cj.jdbc.Driver");

   java.sql.Connection conn =
java.sql.DriverManager.getConnection("jdbc:mysql://localhost:3306/"
   + "gestion-apprenants","root","");
   java.sql.Statement stmt = conn.createStatement();
   java.sql.ResultSet RS = stmt.executeQuery("SELECT * from apprenants");


%>


  <div class="container">
  <div class="row pt-4">
   <div class="col-md-8">
```

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```
        <h2 class="pull-center">Liste des apprenants</h2>
       </div>
       <div class=" col-4 pb-1 d-grid gap-2 d-md-flex justify-content-md-end">
                  <a href="./insertApprenant.jsp" class="btn btn-primary"
role="button" data-bs-toggle="button">Ajouter un apprenant</a>

       </div>
    </div>


  </br>
  <table class="table table-bordered">
□□<tr>
□□□<th>CIN</th>
□□□<th>Nom</th>
□□□<th>Prénom</th>
□□□<th>Date de naissance</th>□□□
□□□<th>Genre</th>
□□□<th>Email</th>
□□□<th>Gouvernorat</th>
□□□<th>Code postal</th>
□□□<th>Actions</th>
□□</tr>
□□<%
□□while(RS.next()) { □
        %>
□□<tr>

□□□<td><%=RS.getString(1) %></td>
□□□<td><%=RS.getString(2) %></td>
□□□<td><%=RS.getString(3) %></td>
□□□<td><%=RS.getString(4) %></td>
□□□<td><%=RS.getString(5) %></td>
           <td><%=RS.getString(6)%></td>
□□□<td><%=RS.getString(7)%></td>
□□□<td><%=RS.getString(8) %></td>
□□□<td>
                        <a href="./afficherApprenant.jsp?id=<%=RS.getString(1) %>"
class="btn btn-primary btn-sm" role="button" data-bs-toggle="button">Afficher</a>
                        <a href="./modifierApprenant.jsp?id=<%=RS.getString(1) %>"
class="btn btn-success btn-sm" role="button" data-bs-toggle="button">Editer</a>
                        <a href="/edit?id=<%=RS.getString(1) %>" class="btn btn-
warning btn-sm" role="button" data-bs-toggle="button">Supprimer</a>
```

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```
            </td>
□□□</tr>

□□□<% }
□□□RS.close();
□□   □stmt.close();
□□   □conn.close();
□□□
□□□
□□□%>

□</table>


 </body>
</html>
```

4. **Solution : Page afficherApprenant.jsp**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>

<HTML>
<HEAD>
  <TITLE>insert data using prepared statement </TITLE>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
giJF6kkoqNQ00vy+HMDP7azOuL0xtbfIcaT9wjKHr8RbDVddVHyTfAAsrekwKmP1"
crossorigin="anonymous">
<style>
.div{padding-left:15px;
        box-shadow: 0 1px 6px rgba(0, 0, 0, 0.12), 0 1px 4px rgba(0, 0, 0, 0.24);
        height: 40px;
        border-radius: 2px;
        font-family: arial;
        font-size: 15px;
        }
</style>
</HEAD>
```

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```
  <BODY bgcolor="#ffffcc">
   <%
      Class.forName("com.mysql.cj.jdbc.Driver");
   String connectionURL = "jdbc:mysql://localhost:3306/gestion-apprenants";
   Connection connection = DriverManager.getConnection
       (connectionURL, "root", "");
   String queryString ="select * from apprenants where cdeApp=?";
   PreparedStatement stmt = connection.prepareStatement(queryString);
   String cdeApp  = request.getParameter("id");
   stmt.setString(1, cdeApp);
   ResultSet resultSet = stmt.executeQuery();

%>


  <div class="container pt-4">

  </br>
<%
 if (resultSet.next()) {
        %>
       <div class="card border-info mb-3" style="margin-left: 25%; margin-right:
25%;width: auto;">
  <div class="card-header">
  <div class="row">
  <div class="col-6">Fiche Apprenant</div>
  <div class="col-6">
  <ul class="nav nav-pills card-header-pills justify-content-md-end">
      <li class="nav-item">
        <a href="./listeApprenant.jsp" class="btn btn-primary btn-sm" role="button"
data-bs-toggle="button">Retour</a>
      </li>
   </ul></div>
  </div>

  </div>
  <div class="card-body">
    <h5 class="card-title"><%=resultSet.getString(2) %></h5>
    <p class="card-text">
    <p><%=resultSet.getString(1) %></p>
<p><strong>Nom : </strong><%=resultSet.getString(2) %></p>
<p><strong>Prénom : </strong><%=resultSet.getString(3) %></p>
<p><strong>Date de naissance : </strong><%=resultSet.getString(4) %></p>
```

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```
□□□<p><strong>Genre : </strong><%=resultSet.getString(5) %></p>
            <p><strong>Email : </strong><%=resultSet.getString(6)%></p>
□□□<p><strong>Gouvernorat : </strong><%=resultSet.getString(7)%></p>
□□□<p><strong>Code postal : </strong><%=resultSet.getString(8) %></p>


  </div>
□
□□□<% }
□□□□resultSet.close();
□□□□stmt.close();
□□□□connection.close();□□
□□□%>



 </body>
</html>
```

5. **Solution : Page InsertApprenant.jsp**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>

<HTML>
<HEAD>
  <TITLE>insert data using prepared statement </TITLE>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
giJF6kkoqNQ00vy+HMDP7azOuL0xtbfIcaT9wjKHr8RbDVddVHyTfAAsrekwKmP1"
crossorigin="anonymous">
<style>
.div{padding-left:15px;
        box-shadow: 0 1px 6px rgba(0, 0, 0, 0.12), 0 1px 4px rgba(0, 0, 0, 0.24);
        height: 40px;
        border-radius: 2px;
        font-family: arial;
        font-size: 15px;
        }
```

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```
</style>
</HEAD>
  <BODY bgcolor="#ffffcc">
  <div class="container">
  <div class="row pt-4">
   <div class="col-md-8">
        <h2 class="pull-center">Ajout d'un nouveau apprenant</h2>
       </div>
       <div class=" col-4 pb-1 d-grid gap-2 d-md-flex justify-content-md-end">
         <a href="./listeApprenant.jsp" class="btn btn-primary" role="button" data-
bs-toggle="button">Retour</a>
    </div>
    </div>
   <%
   String cdeApp = request.getParameter("cdeApp");
   String nom = request.getParameter("nom");
   String prenom = request.getParameter("prenom");
   String date_naissance = request.getParameter("date_naissance");
   String genre = request.getParameter("genre");
   String email = request.getParameter("email");
   String cdeGouv = request.getParameter("cdeGouv");
   String code_postal = request.getParameter("code_postal");
  /*out.println(cdeApp+"cin");
  out.println(nom+"nom"+"\n");
  out.println(prenom+"prenom"+"\n");
  out.println(date_naissance+"date_naissance"+"\n");
  out.println(genre+"genre\r\n");
  out.println(email+"email\r\n");
  out.println(cdeGouv+"cdeGouv\r\n");
  out.println(code_postal+"code_postal");*/


    String connectionURL = "jdbc:mysql://localhost:3306/gestion-apprenants";
          // declare a connection by using Connection interface
    Connection connection = null;
        // declare object of Statement interface that uses for
     PreparedStatement pstatement = null;
         // Load JBBC driver "com.mysql.jdbc.Driver"
     Class.forName("com.mysql.cj.jdbc.Driver");
          int updateQuery = 0;

         // check if the text box is empty
         if(cdeApp!=null && nom!=null && prenom!=null && date_naissance!=null
```

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```
         && genre!=null && email!=null && cdeGouv!=null && code_postal!=null){
              try {
              connection = DriverManager.getConnection
              (connectionURL, "root", "");
               // sql query to insert values in the secified table.
              String queryString ="INSERT INTO apprenants (cdeApp, nom, prenom,"
  □□    □□+ " date_naissance, genre, email, cdeGouv, code_postal) "+
              "VALUES (?, ?, ?, ?, ?, ?, ?, ?)";
             /* createStatement() is used for create statement
              object that is used for sending sql statements to the specified
database. */
              pstatement = connection.prepareStatement(queryString);

              pstatement.setString(1, cdeApp);
              pstatement.setString(2, nom);
              pstatement.setString(3, prenom);
              pstatement.setString(4, date_naissance);
              pstatement.setString(5, genre);
              pstatement.setString(6, email);
              pstatement.setString(7, cdeGouv);
              pstatement.setString(8, code_postal);

              updateQuery = pstatement.executeUpdate();

              if (updateQuery != 0) { %>


                    <div class="div" style="background: #d5efc2;" >

Les données sont insérées avec succès
                    dans la base de données.
                    </div>

                <%
                }
             }
             catch (Exception ex) {

             %>
            <div class="div" style="background: #ffc2a3;">
Impossible de se connecter à la batabase.<% out.println(ex.getMessage());%>
             </div>
```

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```
      <%
                }
             finally {
                 // close all the connections.
                 pstatement.close();
                 connection.close();
             }
           }

%>

  </br>
  <div style=" border-radius: 2px;border: 1px solid blue;box-shadow: 0 1px 6px
rgba(0, 0, 0, 0.12), 0 1px 4px rgba(0, 0, 0, 0.24);" >

    <form class="row g-3 p-4" action="#" method="post">
□□<div class="row">
□□   <div class="col-md-3">
□□□    <label for="first-name" class="form-label">CIN</label>
□□□    <input type="text" class="form-control" name="cdeApp" placeholder="Saisir votre
cin" required>
  □□□</div>
  □□□<div class="col-md-3">
□□□    <label for="last-name" class="form-label">Nom</label>
□□□    <input type="text" class="form-control" name="nom" placeholder="Saisir votre
nom" required>
  □□□</div>
□□  <div class="col-md-3">
□□□    <label for="last-name" class="form-label">Prénom</label>
□□□    <input type="text" class="form-control" name="prenom" placeholder="Saisir votre
prénom" required>
  □□□</div>
□□  <div class="col-md-3">
□□□    <label for="last-name" class="form-label">Date de naissance</label>
□□□    <input type="date" class="form-control" name="date_naissance" required>
  □□□</div>
□□</div>
□□<div class="row">
□□   <div class="col-md-3">
□□□□    <label for="region" class="form-label">Genre</label>
□□□□    <select class="form-select" name="genre" required>
□□□□      <option selected disabled value="">Choisir</option>
□□□□      <option value="1">Homme</option>
```

```
□□□□      <option value="2">Femme</option>□□□□
□□□□    </select>
□□  □</div>□□
□□  <div class="col-md-3">
□□    <label for="username" class="form-label">Email</label>
□□    <div class="input-group">
□□      <span class="input-group-text">@</span>
□□      <input type="text" class="form-control" name="email" required>
□□    </div>
□□  </div>
□□  <div class="col-md-3">
□□□□    <label for="region" class="form-label">Gouvernorat</label>
□□□□    <select class="form-select" name="cdeGouv" required>
□□□□      <option selected disabled value="">Choisir</option>
□□□□      <option value="100">Tunis</option>
□□□□      <option value="101">Gafsa</option>□□□□
□□□□    </select>
□□  □</div>□
□□<div class="col-md-3">
□□    <label for="username" class="form-label">Code postal</label>
□□    <div class="input-group">
□□      <input type="text" class="form-control" name="code_postal" required>
□□    </div>
□□  </div>
 </div>

        <div class="row pt-4">
□□□  <div class="d-grid gap-2">
□□□    <button class="btn btn-primary w-100" type="submit">Enregistrer</button>
□□□  </div>
□    </div>
</form>
 </div>
 </div>


 </body>
</html>
```

6. **Solution : Page ModifierApprenant.jsp**

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```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>

<HTML>
<HEAD>
  <TITLE>insert data using prepared statement </TITLE>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
giJF6kkoqNQ00vy+HMDP7azOuL0xtbfIcaT9wjKHr8RbDVddVHyTfAAsrekwKmP1"
crossorigin="anonymous">
<style>
.div{padding-left:15px;
        box-shadow: 0 1px 6px rgba(0, 0, 0, 0.12), 0 1px 4px rgba(0, 0, 0, 0.24);
        height: 40px;
        border-radius: 2px;
        font-family: arial;
        font-size: 15px;
        }
</style>
</HEAD>
  <BODY bgcolor="#ffffcc">
  <div class="container">
  <div class="row pt-4">
   <div class="col-md-8">
        <h2 class="pull-center">Ajout d'un nouveau apprenant</h2>
       </div>
       <div class=" col-4 pb-1 d-grid gap-2 d-md-flex justify-content-md-end">□□
        <a href="./listeApprenant.jsp" class="btn btn-primary" role="button" data-
bs-toggle="button">Retour</a>
□    </div>
    </div>
   <%
   String cdeApp = request.getParameter("cdeApp");
   String nom = request.getParameter("nom");
   String prenom = request.getParameter("prenom");
   String date_naissance = request.getParameter("date_naissance");
   String genre = request.getParameter("genre");
   String email = request.getParameter("email");
   String cdeGouv = request.getParameter("cdeGouv");
   String code_postal = request.getParameter("code_postal");
   □
```

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```
  String connectionURL = "jdbc:mysql://localhost:3306/gestion-apprenants";
   Connection connection = null;
   PreparedStatement pstatement = null;
   PreparedStatement smtp = null;
   Class.forName("com.mysql.cj.jdbc.Driver");
   connection = DriverManager.getConnection
       (connectionURL, "root", "");
   String req ="select * from apprenants where cdeApp=?";
   smtp = connection.prepareStatement(req);
   String code  = request.getParameter("id");
   smtp.setString(1, code);
   ResultSet resultSet = smtp.executeQuery();
   //out.println(code+"cin");
   resultSet.next();
```

```
     int updateQuery = 0;

         // check if the text box is empty
         if(cdeApp!=null && nom!=null && prenom!=null && date_naissance!=null
         && genre!=null && email!=null && cdeGouv!=null && code_postal!=null){
              try {

              connection = DriverManager.getConnection
              (connectionURL, "root", "");
               // sql query to insert values in the secified table.
              String queryString ="update apprenants set cdeApp=?, nom=?, prenom=?,"
  □□    □□+ " date_naissance=?, genre=?, email=?, cdeGouv=?, code_postal=?  where
cdeApp=? ";
             /* createStatement() is used for create statement
              object that is used for sending sql statements to the specified
database. */
              pstatement = connection.prepareStatement(queryString);
             □□
              pstatement.setString(1, cdeApp);
              pstatement.setString(2, nom);
              pstatement.setString(3, prenom);
              pstatement.setString(4, date_naissance);
```

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```
              pstatement.setString(5, genre);
              pstatement.setString(6, email);
              pstatement.setString(7, cdeGouv);
              pstatement.setString(8, code_postal);
              pstatement.setString(9, cdeApp);

              updateQuery = pstatement.executeUpdate();

              if (updateQuery != 0) { %>


                    <div class="div" style="background: #d5efc2;" >

Les données sont insérées avec succès
                    dans la base de données.
                    </div>

              <%
              }
            }
            catch (Exception ex) {

            %>
           <div class="div" style="background: #ffc2a3;">
Impossible de se connecter à la database.<% out.println(ex.getMessage());%>
            </div>

      <%
              }
            finally {
                // close all the connections.
                pstatement.close();
                connection.close();
            }
          }

%>

  </br>
  <div style=" border-radius: 2px;border: 1px solid blue;box-shadow: 0 1px 6px
rgba(0, 0, 0, 0.12), 0 1px 4px rgba(0, 0, 0, 0.24);" >

    <form class="row g-3 p-4" action="#" method="post">
```

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```
□□<div class="row">
□□   <div class="col-md-3">
□□□    <label for="first-name" class="form-label">CIN</label>
□□□    <input type="text" class="form-control" name="cdeApp"
value="<%=resultSet.getString(1) %>" required>
  □□□</div>
  □□□<div class="col-md-3">
□□□    <label for="last-name" class="form-label">Nom</label>
□□□    <input type="text" class="form-control" name="nom"
value="<%=resultSet.getString(2) %>" required>
  □□□</div>
□□  <div class="col-md-3">
□□□    <label for="last-name" class="form-label">Prénom</label>
□□□    <input type="text" class="form-control" name="prenom"
value="<%=resultSet.getString(3) %>" required>
  □□□</div>
□□  <div class="col-md-3">
□□□    <label for="last-name" class="form-label">Date de naissance</label>
□□□    <input type="date" class="form-control" value="<%=resultSet.getString(4)
%>"name="date_naissance" required>
  □□□</div>
□□</div>
□□<div class="row">
□□   <div class="col-md-3">
□□□□    <label for="region" class="form-label">Genre</label>
□□□□    <select class="form-select" name="genre" required>
□□□□      <option selected disabled value="<%=resultSet.getString(5)
%>">Choisir</option>
□□□□      <option value="1">Homme</option>
□□□□      <option value="2">Femme</option>□□□□
□□□□    </select>
□□  □</div>□□
□□  <div class="col-md-3">
□□    <label for="username" class="form-label">Email</label>
□□    <div class="input-group">
□□      <span class="input-group-text">@</span>
□□      <input type="text" class="form-control" value="<%=resultSet.getString(6) %>"
name="email" required>
□□    </div>
□□  </div>
□□  <div class="col-md-3">
□□□□    <label for="region" class="form-label">Gouvernorat</label>
□□□□    <select class="form-select" name="cdeGouv" value="<%=resultSet.getString(7)
```

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```
%>"required>
□□□□      <option selected disabled value="">Choisir</option>
□□□□      <option value="100">Tunis</option>
□□□□      <option value="101">Gafsa</option>□□□□
□□□□    </select>
□□  □</div>□
□□<div class="col-md-3">
□□    <label for="username" class="form-label">Code postal</label>
□□    <div class="input-group">
□□      <input type="text" class="form-control" value="<%=resultSet.getString(8)
%>"name="code_postal" required>
□□    </div>
□□  </div>
 </div>

        <div class="row pt-4">
□□□  <div class="d-grid gap-2">
□□□    <button class="btn btn-primary w-100" type="submit">Enregistrer</button>
□□□  </div>
□    </div>
</form>
 </div>
 </div>


 </body>
</html>
```

Sommaire du cours JSP

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