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| Q-01 | Localhost database. |
| ss | https://lh7-rt.googleusercontent.com/docsz/AD_4nXfXoQ94SpKUKzE6B4UoMF3xf86tF-GSNxrwkdZilAmMkmXojVQXPnTECru4FfelwFEPCu9maMbC9VojWYa0EWsgkNz7-PpfnPK0XI0ZW6ukV0cfeQIWtVmIpep1O8i1KQioS-DKLByB2P9b7S3zavuSwYTM?key=glo6QLUDiFHi_OJhPHgl5A  https://lh7-rt.googleusercontent.com/docsz/AD_4nXcSeoGeCxYvChu-OD4b4C5wCIjSxx_6ns4wh-9bfut24keQpthA5-VzsZRWfGLLmuAmzq17VN19BWMMxH_DzhdiY0VKtbyHzGLpYcAeHbayNojjFUsi5hb8CaKfcjtnS42HKS0noa1fu7tMQJBcXdlKAekS?key=glo6QLUDiFHi_OJhPHgl5A  https://lh7-rt.googleusercontent.com/docsz/AD_4nXc64IphihKOcGbCjHaMEcG61IlYz4Ey7eXM2921rss8IU3kaUl9IQ0YBoFfetY38H3La3Be0z2UI5WWG7u8IjGIZkiO9GCteHK0c9y2b53vWTkp4Wd5YT6ljHkjtRP5xyp5R0lnfAq7HXVJmTY3_pu-aYL5?key=glo6QLUDiFHi_OJhPHgl5A |

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| --- | --- |
| Question | perform insert , update , delete, select. |
| Html code  And Java code | <!-- index.html -->  <!DOCTYPE html>  <html>  <head>      <title>Medical Database</title>  </head>  <body>      <h1>Medical Database</h1>        <!-- Insert Medical Record Form -->      <h2>Insert Medical Record</h2>      <form action="MedicalServlet" method="post">          <input type="hidden" name="action" value="insert">          <table>              <tr>                  <td>City:</td>                  <td><input type="text" name="mCity" required></td>              </tr>              <tr>                  <td>Owner:</td>                  <td><input type="text" name="mOwner" required></td>              </tr>              <tr>                  <td>Cut ID:</td>                  <td><input type="text" name="cutId" required></td>              </tr>              <tr>                  <td>Cut Name:</td>                  <td><input type="text" name="cutName" required></td>              </tr>              <tr>                  <td>Medical Name:</td>                  <td><input type="text" name="mName" required></td>              </tr>              <tr>                  <td>Quantity:</td>                  <td><input type="number" name="mQty" required></td>              </tr>              <tr>                  <td>Price:</td>                  <td><input type="number" name="mPrice" required></td>              </tr>              <tr>                  <td colspan="2"><input type="submit" value="Insert Medical Record"></td>              </tr>          </table>      </form>        <!-- Select Medical Record Form -->      <h2>Select Medical Record</h2>      <form action="MedicalServlet" method="get">          <table>              <tr>                  <td>Medical ID:</td>                  <td><input type="text" name="mid" required></td>              </tr>              <tr>                  <td colspan="2"><input type="submit" value="Select Medical Record"></td>              </tr>          </table>      </form>        <!-- Update Medical Record Form -->      <h2>Update Medical Record</h2>      <form action="MedicalServlet" method="post">          <input type="hidden" name="action" value="update">          <table>              <tr>                  <td>Medical ID:</td>                  <td><input type="text" name="mid" required></td>              </tr>              <tr>                  <td>City:</td>                  <td><input type="text" name="mCity" required></td>              </tr>              <tr>                  <td>Owner:</td>                  <td><input type="text" name="mOwner" required></td>              </tr>              <tr>                  <td>Cut ID:</td>                  <td><input type="text" name="cutId" required></td>              </tr>              <tr>                  <td>Cut Name:</td>                  <td><input type="text" name="cutName" required></td>              </tr>              <tr>                  <td>Medical Name:</td>                  <td><input type="text" name="mName" required></td>              </tr>              <tr>                  <td>Quantity:</td>                  <td><input type="number" name="mQty" required></td>              </tr>              <tr>                  <td>Price:</td>                  <td><input type="number" name="mPrice" required></td>              </tr>              <tr>                  <td colspan="2"><input type="submit" value="Update Medical Record"></td>              </tr>          </table>      </form>        <!-- Delete Medical Record Form -->      <h2>Delete Medical Record</h2>      <form action="MedicalServlet" method="post">          <input type="hidden" name="action" value="delete">          <table>              <tr>                  <td>Medical ID:</td>                  <td><input type="text" name="mid" required></td>              </tr>              <tr>                  <td colspan="2"><input type="submit" value="Delete Medical Record"></td>              </tr>          </table>      </form>  </body>  </html>  // MedicalServlet.java  import java.io.IOException;  import java.io.PrintWriter;  import javax.servlet.ServletException;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import java.sql.Connection;  import java.sql.DriverManager;  import java.sql.PreparedStatement;  import java.sql.ResultSet;  public class MedicalServlet extends HttpServlet {      private Connection conn;      public void init() throws ServletException {          // Establish database connection          try {              Class.forName("com.mysql.cj.jdbc.Driver");              conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/medicaldb", "username", "password");          } catch (Exception e) {              System.out.println("Error connecting to database: " + e.getMessage());          }      }      protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {          // Handle select query          String mid = request.getParameter("mid");          if (mid != null) {              selectMedicalRecord(mid, response);          }      }      protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {          // Handle insert, update, and delete queries          String action = request.getParameter("action");          if (action.equals("insert")) {              insertMedicalRecord(request, response);          } else if (action.equals("update")) {              updateMedicalRecord(request, response);          } else if (action.equals("delete")) {              deleteMedicalRecord(request, response);          }      }      private void selectMedicalRecord(String mid, HttpServletResponse response) throws IOException {          try {              PreparedStatement pstmt = conn.prepareStatement("SELECT \* FROM Medical WHERE Mid = ?");              pstmt.setString(1, mid);              ResultSet rs = pstmt.executeQuery();              if (rs.next()) {                  // Process result set and send response                  PrintWriter out = response.getWriter();                  out.println("Medical Record Found:");                  out.println("Mid: " + rs.getString("Mid"));                  out.println("M\_city: " + rs.getString("M\_city"));                  out.println("M\_owner: " + rs.getString("M\_owner"));                  out.println("Cut\_id: " + rs.getString("Cut\_id"));                  out.println("Cut\_Name: " + rs.getString("Cut\_Name"));                  out.println("M\_Name: " + rs.getString("M\_Name"));                  out.println("M\_Qty: " + rs.getString("M\_Qty"));                  out.println("M\_price: " + rs.getString("M\_price"));              } else {                  response.sendError(404, "Medical Record Not Found");              }          } catch (Exception e) {              System.out.println("Error selecting medical record: " + e.getMessage());          }      }      private void insertMedicalRecord(HttpServletRequest request, HttpServletResponse response) throws IOException {          try {              String mCity = request.getParameter("mCity");              String mOwner = request.getParameter("mOwner");              String cutId = request.getParameter("cutId");              String cutName = request.getParameter("cutName");              String mName = request.getParameter("mName");              String mQty = request.getParameter("mQty");              String mPrice = request.getParameter("mPrice");              PreparedStatement pstmt = conn.prepareStatement("INSERT INTO Medical (M\_city, M\_owner, Cut\_id, Cut\_Name, M\_Name, M\_Qty, M\_price) VALUES (?, ?, ?, ?, ?, ?, ?)");              pstmt.setString(1, mCity);              pstmt.setString(2, mOwner);              pstmt.setString(3, cutId);              pstmt.setString(4, cutName);              pstmt.setString(5, mName);              pstmt.setString(6, mQty);              pstmt.setString(7, mPrice);              pstmt.executeUpdate();              response.getWriter().println("Medical Record Inserted Successfully");          } catch (Exception e) {              System.out.println("Error inserting medical record: " + e.getMessage());          }      }      private void updateMedicalRecord(HttpServletRequest request, HttpServletResponse response) throws IOException {          try {              String mid = request.getParameter("mid");              String mCity = request.getParameter("mCity");              String mOwner = request.getParameter("mOwner");              String cutId = request.getParameter("cutId");              String cutName = request.getParameter("cutName");              String mName = request.getParameter("mName");              String mQty = request.getParameter("mQty");              String mPrice = request.getParameter("mPrice");              PreparedStatement pstmt = conn.prepareStatement("UPDATE Medical SET M\_city = ?, M\_owner = ?, Cut\_id = ?, Cut\_Name = ?, M\_Name = ?, M\_Qty = ?, M\_price = ? WHERE Mid = ?");              pstmt.setString(1, mCity);              pstmt.setString(2, mOwner);              pstmt.setString(3, cutId);              pstmt.setString(4, cutName);              pstmt.setString(5, mName);              pstmt.setString(6, mQty);              pstmt.setString(7, mPrice);              pstmt.setString(8, mid);              pstmt.executeUpdate |
| output | https://lh7-rt.googleusercontent.com/docsz/AD_4nXdkAohJC3xW35skQMF502CywxVSe4AKNU-yNdeAXkw3eMSOme0mBUHHsFQVZ-_fjnXUuPCBADiH8NOvgrwmgATtyXKB6sUvsWlaQFHP_Dvgaydd1-PUc4Em2lXQHZWkbRXBUH38MskdhRuhDjb1tX7XQRjN?key=glo6QLUDiFHi_OJhPHgl5A  https://lh7-rt.googleusercontent.com/docsz/AD_4nXeG6grfJhDp2azsQjjJPULm8-Fwrfl9V6vDAwYO6_7HBD2OkJkcwvXBv0zPEqmt96mHm1ptVh4QkI9F2Lh7ctSrvsdcJuWkNUjBbJE08wyXyvvBqFyKnn3BUD4PzNuw37uVXmsI9s83zm03d8dnfCi5oxM?key=glo6QLUDiFHi_OJhPHgl5A  https://lh7-rt.googleusercontent.com/docsz/AD_4nXeclsnkzkw3uY206KQpKMxCJ81r82NoUHr2A8c4Dof7PWNPYTECu9TXe9c-FreZ3FFaoKvB248068UOnkQCes2aVz1BytWLNDw42W3QdsvZ7VeCyGoJ9sAgkE3BgbFuVQOpSb30jgsjecs_Vg9xTGk0qlJi?key=glo6QLUDiFHi_OJhPHgl5A  https://lh7-rt.googleusercontent.com/docsz/AD_4nXcU4b1EmoBmFiNWTMX8W-TYy20tnQZ1ijcF_uwVDNZi_BdjB8l4NtIxvZYP6WJf6xjHZFRauCwlOIoyG9qkriETfKDcDN1sYOp1qFLAJ7DZu7Mw3zvQijCYJV4DxVlYymh6Iv0OkYFDEDTegMbEkY5ljHqR?key=glo6QLUDiFHi_OJhPHgl5A |
| Github | <https://github.com/jatin9016/jatin9016> |