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Project #11

MyHelloServlet.java (just dove right in after the little tutorial)

```
import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.sql.*;
/**
 * Servlet implementation class MyHelloServlet
 */
@WebServlet("/MyHelloServlet")
public class MyHelloServlet extends HttpServlet {
	private static final long serialVersionUID = 1L;

	//SQL stuff
	private Connection con;
    private Statement stmt;
    private String newQuestionText = "";
    /**
     * @see HttpServlet#HttpServlet()
     */
    public MyHelloServlet() throws SQLException{
        super();
        String connectionString = "jdbc:mysql://kc-sce-appdb01.kc.umkc.edu/eawwwd";
        String userID = "eawwwd";
        String password = "ZDkWx5Dydgwe";

        try {
            Class.forName("com.mysql.jdbc.Driver");
        } catch(java.lang.ClassNotFoundException e) {
            System.out.println(e);
            System.exit(0);
        }

        con = DriverManager.getConnection(connectionString, userID, password);
        stmt = con.createStatement();
    }

	/**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse
response)
     */
	protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
            int i;
```

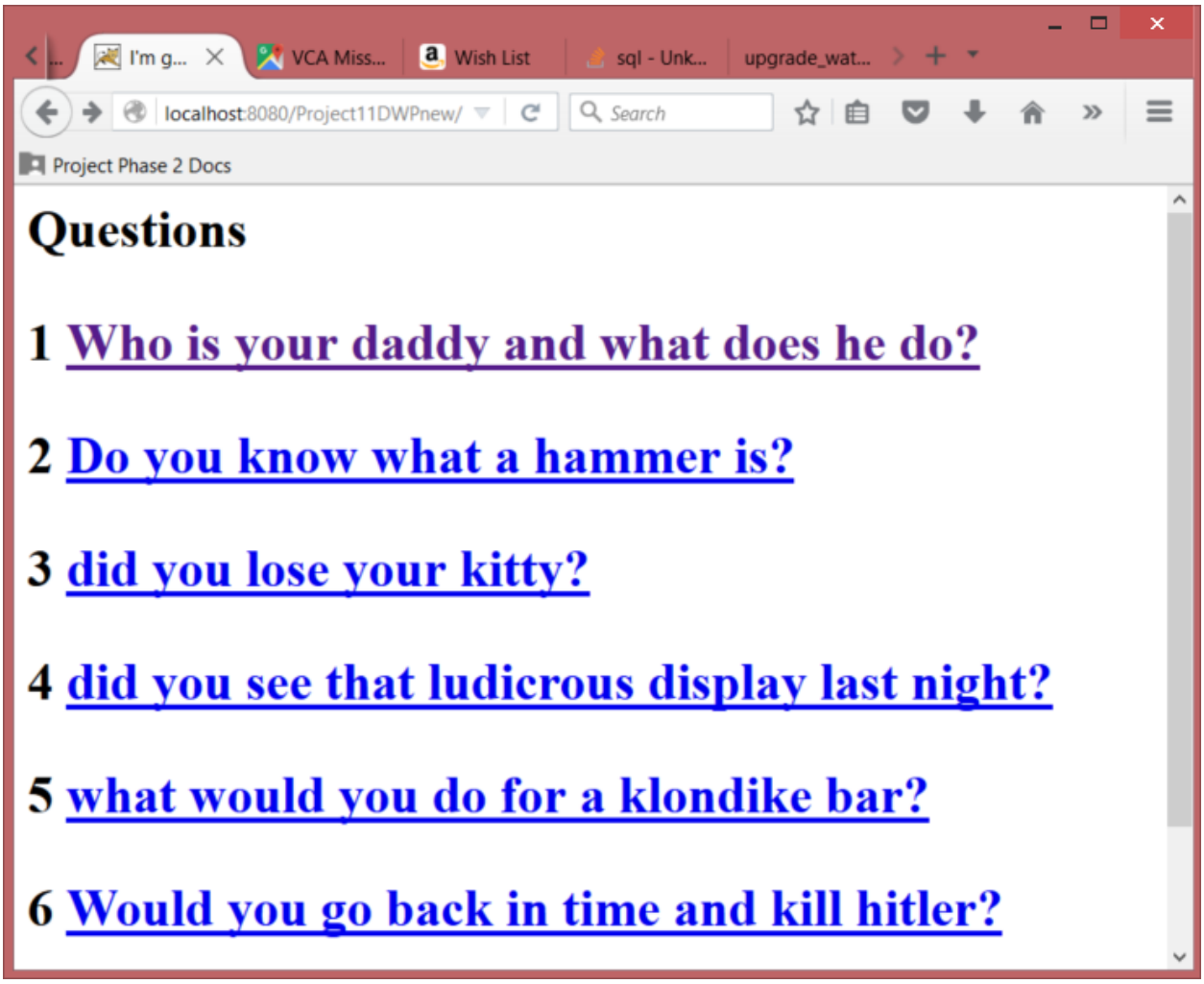
```
            ResultSet rs;
            try {
                  //insert new question if there is one
                  if (!newQuestionText.equals("")){
                        stmt.executeUpdate("INSERT INTO questions (id,text) VALUES
(default, '"
                                          + newQuestionText + "');");
                        newQuestionText = "";
                  }
                  rs = stmt.executeQuery("SELECT * FROM questions;");

           response.setContentType("text/html");
            PrintWriter out = response.getWriter();

            out.println("<html>");
            out.println("<head>");
            out.println("<title>I'm going to ask you a bunch of questions and I want
to have them answered immediately</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<h1> Questions</h>");
            boolean more = rs.next ();
           while (more) {
            //print each question
            out.println("<p>");
               out.print(rs.getString(1));
               out.print(" ");
               out.print("<a href=\"Answers?id=" + rs.getString(1) + "\">");
               out.print(rs.getString(2) + "</a>");
               out.println("</p>");

               more = rs.next ();
           }
           out.println("<form method=\"POST\" action=\"MyHelloServlet\">");
             out.println("<p><input type=\"text\" name=\"theQuestion\" size=\"50\">
<input type=\"submit\" value=\"Add Question\"></p>");
             out.println("</form>");
            out.println("</body>");
            out.println("</html>");
            } catch (SQLException e) {
                  // TODO Auto-generated catch block
                  e.printStackTrace();
            }


      }

      /**
       * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
       */
      protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
            newQuestionText = request.getParameter("theQuestion");
            doGet(request, response);
```

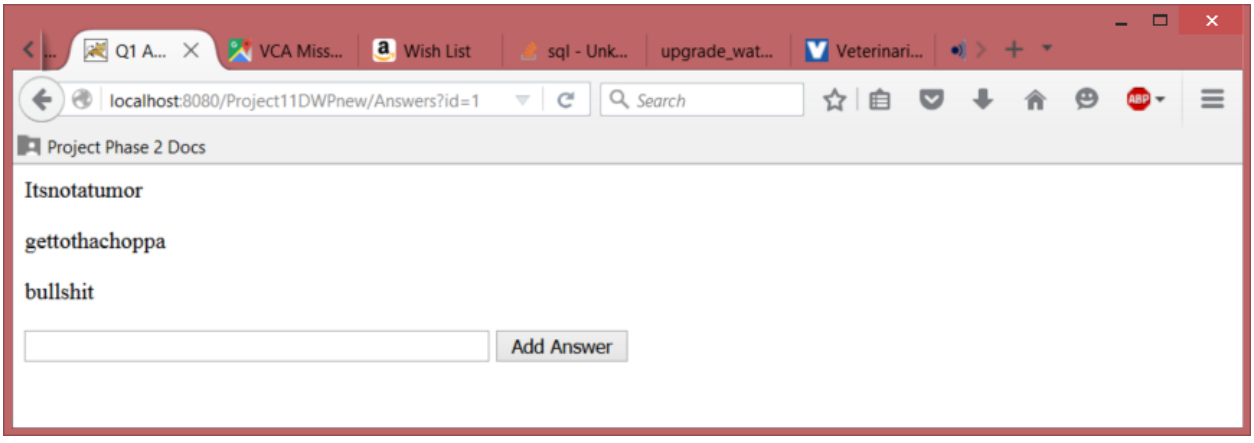
```
        }

}
```

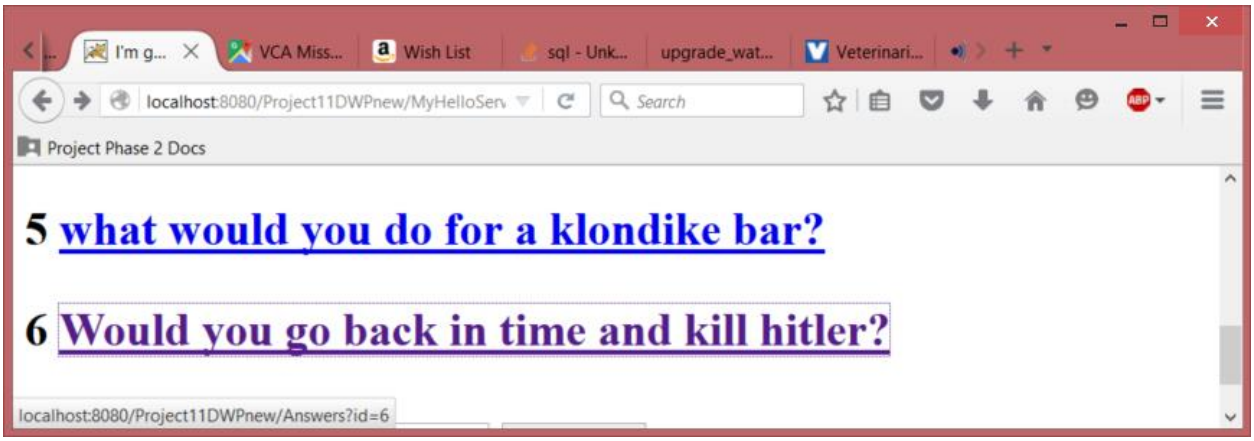
Answers.java

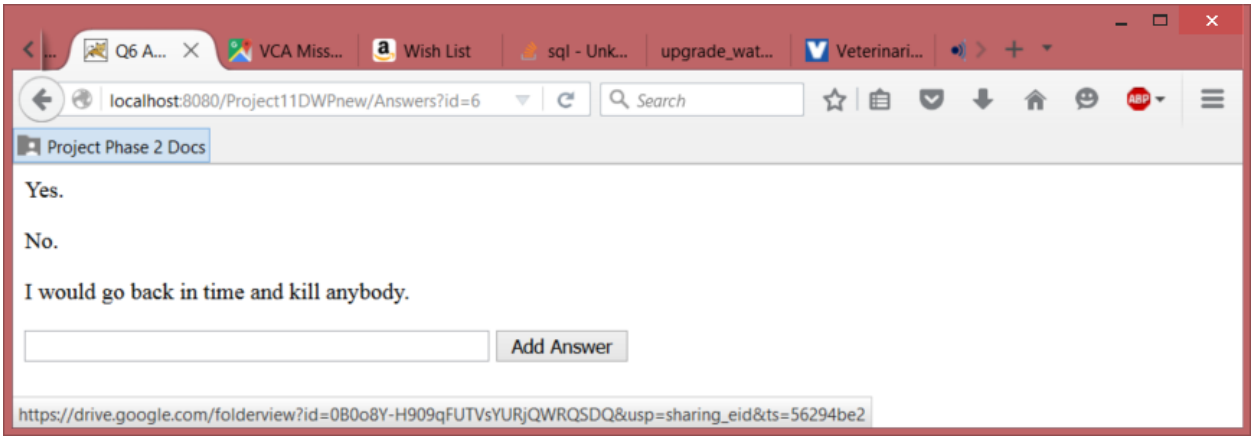
```
import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.sql.*;

@WebServlet("/Answers")
public class Answers extends HttpServlet {
      private static final long serialVersionUID = 1L;
      private String newAnswerText = "";
      private Connection con;
    private Statement stmt;

    public Answers() throws SQLException{
        super();
        String connectionString = "jdbc:mysql://kc-sce-appdb01.kc.umkc.edu/eawwwd";
        String userID = "eawwwd";
        String password = "ZDkWx5Dydgwe";

        try {
            Class.forName("com.mysql.jdbc.Driver");
        } catch(java.lang.ClassNotFoundException e) {
            System.out.println(e);
            System.exit(0);
        }

        con = DriverManager.getConnection(connectionString, userID, password);
        stmt = con.createStatement();
    }

      protected void doGet(HttpServletRequest request,
                    HttpServletResponse response) throws ServletException,
IOException {
             response.setContentType("text/html");
             ResultSet rs;
             PrintWriter out = response.getWriter();

             String questionID = request.getParameter("id");

             try {
```

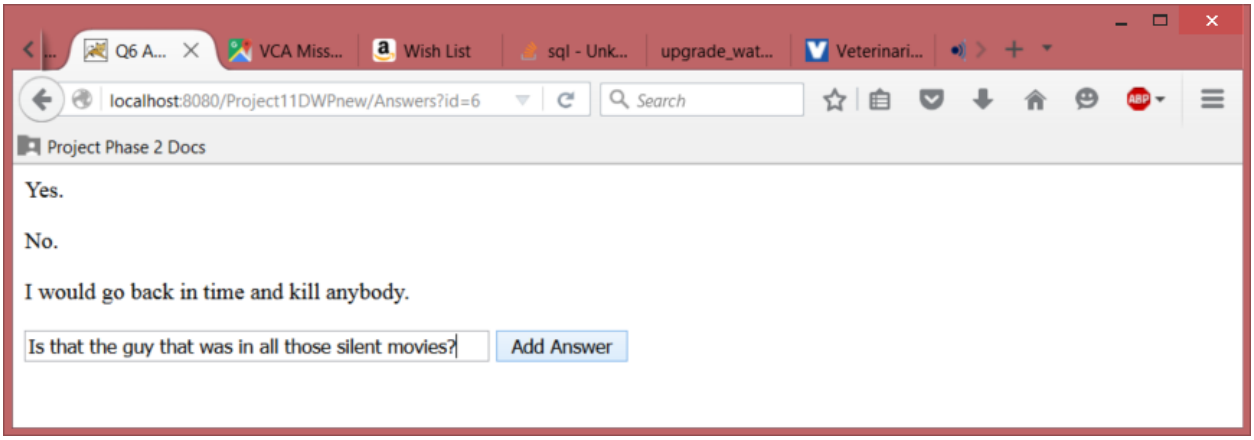
```
            //insert new answer if there is one
            if (!newAnswerText.equals("")){
                  stmt.executeUpdate("INSERT INTO answers (id,answer,ques_id)
VALUES (default, '"
                              + newAnswerText + "' ," + questionID + ");");
                  newAnswerText = "";
            }

            rs = stmt.executeQuery("SELECT * FROM answers where ques_id =" +
questionID + ";");

            out.println("<html>");
            out.println("<head>");
            out.println("<title>Q" + questionID + " Answers</title>");
            out.println("</head>");
            out.println("<body>");

            boolean more;

                  more = rs.next ();

        while (more) {
             //print each question
             out.println("<p>");
            //out.print(rs.getString(1));
            out.print(" ");
            out.print(rs.getString(2) + "</a>");
            out.println("</p>");

            more = rs.next ();
        }
        out.println("<form method=\"POST\" action=\"\">");
        out.println("<p><input type=\"text\" name=\"theAnswer\" size=\"50\"> <input
type=\"submit\" value=\"Add Answer\"></p>");
        out.println("</form>");
             out.println("</body>");
             out.println("</html>");
             } catch (SQLException e) {
                  // TODO Auto-generated catch block
                  e.printStackTrace();
             }
       }

      protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
            newAnswerText = request.getParameter("theAnswer");
            doGet(request, response);
      }
}
```

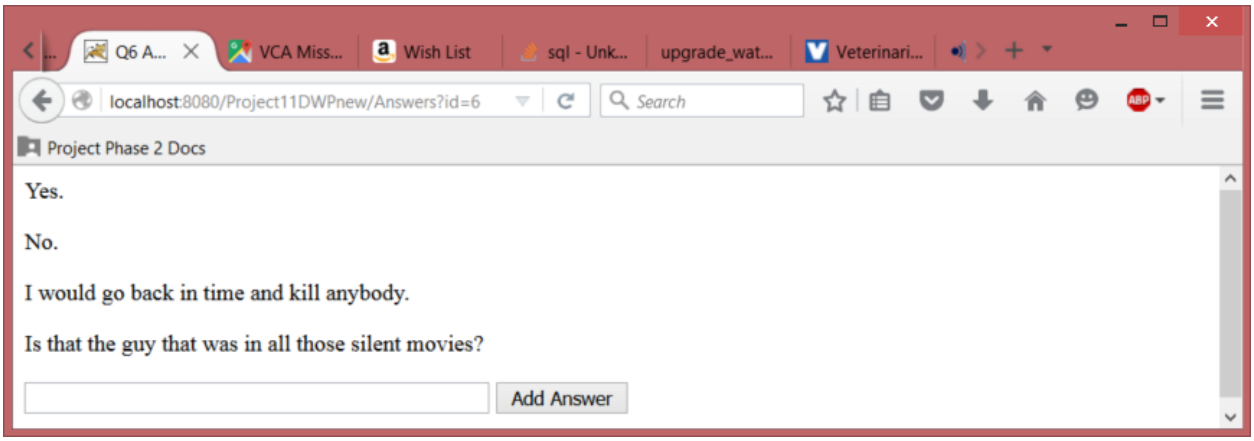

I'm g...
VCA Miss...
Wish List
sql - Unk...
upgrade_wat...
localhost:8080/Project11DWPnew/
Search
Project Phase 2 Docs
Questions
1 Who is your daddy and what does he do?
2 Do you know what a hammer is?
3 did you lose your kitty?
4 did you see that ludicrous display last night?
5 what would you do for a klondike bar?
6 Would you go back in time and kill hitler?


Q1 A...
VCA Miss...
Wish List
sql - Unk...
upgrade_wat...
Veterinari...
localhost:8080/Project11DWPnew/Answers?id=1
Search
Project Phase 2 Docs
Itsnotatumor
gettothachoppa
bullshit
Add Answer

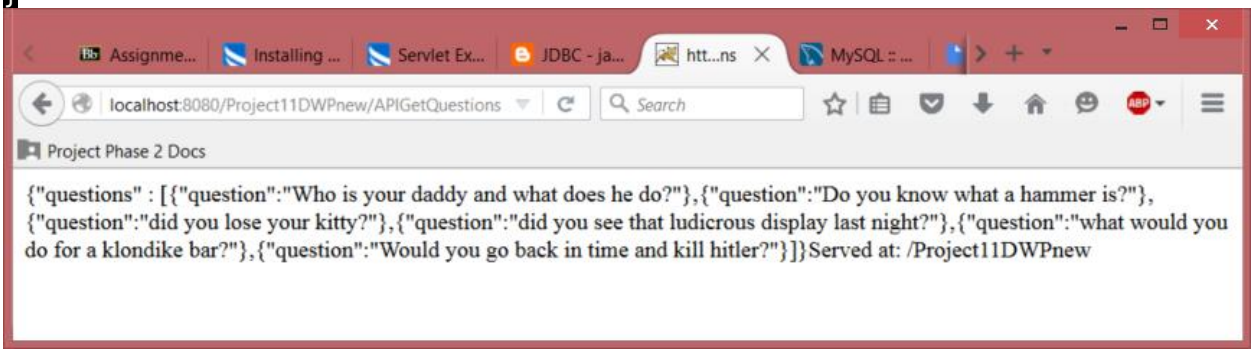

I'm g...
VCA Miss...
Wish List
sql - Unk...
upgrade_wat...
Veterinari...
localhost:8080/Project11DWPnew/MyHelloServ
Search
Project Phase 2 Docs
5 what would you do for a klondike bar?
6 Would you go back in time and kill hitler?
localhost:8080/Project11DWPnew/Answers?id=6


Q6 A...
VCA Miss...
Wish List
sql - Unk...
upgrade_wat...
Veterinari...
localhost:8080/Project11DWPnew/Answers?id=6
Search
Project Phase 2 Docs
Yes.
No.
I would go back in time and kill anybody.
Add Answer
https://drive.google.com/folderview?id=0B0o8Y-H909qFUTVsYURjQWRQSDQ&usp=sharing_eid&ts=56294be2


Q6 A...
VCA Miss...
Wish List
sql - Unk...
upgrade_wat...
Veterinari...
localhost:8080/Project11DWPnew/Answers?id=6
Search
Project Phase 2 Docs
Yes.
No.
I would go back in time and kill anybody.
Is that the guy that was in all those silent movies?
Add Answer




```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class APIGetQuestions
 */
@WebServlet("/APIGetQuestions")
public class APIGetQuestions extends HttpServlet {
	private static final long serialVersionUID = 1L;
	private String newAnswerText = "";
	private Connection con;
    private Statement stmt;
    /**
     * @throws SQLException
     * @see HttpServlet#HttpServlet()
     */
    public APIGetQuestions() throws SQLException {
        super();
        String connectionString = "jdbc:mysql://kc-sce-appdb01.kc.umkc.edu/eawwwd";
        String userID = "eawwwd";
        String password = "ZDkWx5Dydgwe";

        try {
            Class.forName("com.mysql.jdbc.Driver");
        } catch(java.lang.ClassNotFoundException e) {
            System.out.println(e);
            System.exit(0);
```

```
        }

        con = DriverManager.getConnection(connectionString, userID, password);
        stmt = con.createStatement();
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse
response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
            response.setContentType("text/html");
            ResultSet rs;
            PrintWriter out = response.getWriter();

            try {
                  rs = stmt.executeQuery("SELECT * FROM questions;");

                  out.print("{\"questions\" : [");

                  boolean more;
                  more = rs.next();

                  while (more) {
                  //print each question
                  out.print("{\"question\":\"");
                 out.print(rs.getString(2));
                 out.print("\"}");

                 if(more = rs.next ()){
                  out.print(",");
                 }
              }

                  out.print("]}");

            } catch (SQLException e) {
                  // TODO Auto-generated catch block
                  e.printStackTrace();
            }


            response.getWriter().append("Served at:
").append(request.getContextPath());
      }

      /**
       * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
       */
      protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
            // TODO Auto-generated method stub
```

```
            doGet(request, response);
        }

}
```