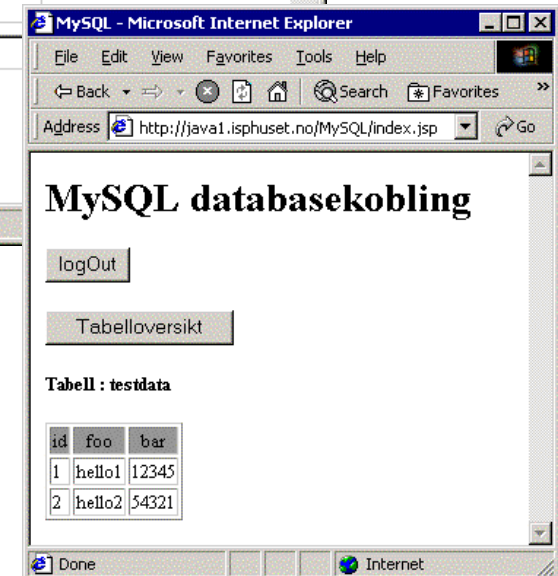
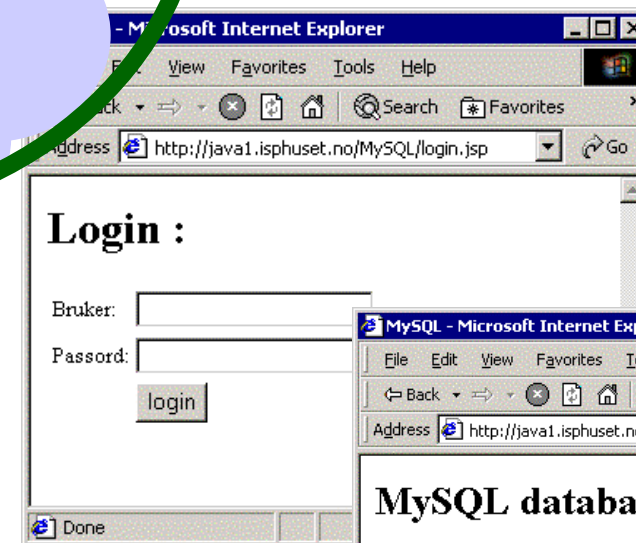


MySQL er en Java webapplikasjon. Programmet er laget for å teste databasekobling og for å gi en starthjelp/introduksjon til Java databaseprogrammering. Applikasjonen tabelloversikt og tabellinnholdet i en database.

Løsningen er testet med:

- Java sun : j2sdk1.4.2_01
- mm.mysql-2.0.14
- Database: MySQL 3.23.58
- Server engine : jakarta-tomcat-4.1.27



MySQL.war installasjon



Tomcat Web Application Manager er brukt fo å installere applikasjonen

The Apache Jakarta Project
http://jakarta.apache.org/

Tomcat Web Application Manager

Message: OK - Installed application at context path /MySQL

Manager
[List Applications](#) [HTML Manager Help](#) [Manager Help](#)

Applications

Path	Display Name	Running	Sessions	Commands
/	Tomcat CGI	true	0	Start Stop Reload Remove
/MySQL		true	0	Start Stop Reload Remove
/java		true	0	Start Stop Reload Remove
/manager	Tomcat Manager Application	true	0	Start Stop Reload Remove

Install
Install directory or WAR file located on server

Context Path (optional):

XML Configuration file URL:

WAR or Directory URL:

Upload a WAR file to install

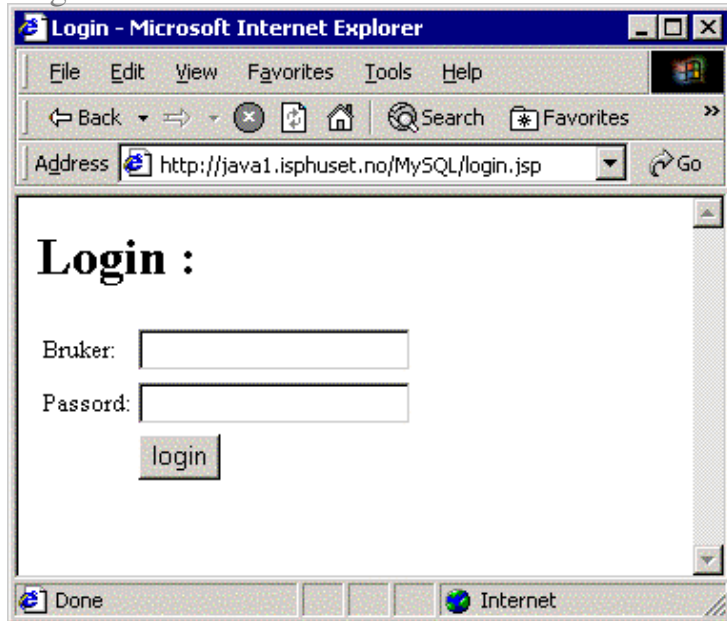
Select WAR file to upload

Om du ikke har applikasjonen finner du denne på <http://btdata.no> (MySQL.war)

MySQL eksempler



Login



Viser innhold i tabell : testdata



Viser at databasen har to tabeller



Login ok, men feil i database tilkobling (eksisterer ikke)



Modifisering i server.xml, MySQL webapplikasjon (Context) legges til.

```
<Context path="/MySQL" docBase="MySQL" debug="5" reloadable="true" crossContext="true">
<!-- www.btdata.no Config SQLserver=" Host" usr=" Bruker" passwd=" Passord" dbSQL=" Database" -->
  <Logger className="org.apache.catalina.logger.FileLogger" prefix="MySQL_log." suffix=".txt"
timestamp="true"/>
  <Resource name="jdbc/MySQLdb" auth="Container" type="javax.sql.DataSource"/>
  <ResourceParams name="jdbc/MySQLdb">
    <parameter>
      <name>factory</name><value>org.apache.commons.dbcp.BasicDataSourceFactory</value>
    </parameter>
    <parameter>
      <name>maxActive</name><value>100</value>
    </parameter>
    <parameter>
      <name>maxIdle</name><value>30</value>
    </parameter>
    <parameter>
      <name>maxWait</name><value>10000</value>
    </parameter>
    <parameter>
      <name>username</name><value>Bruker</value>
    </parameter>
    <parameter>
      <name>password</name><value>Passord</value>
    </parameter>
    <parameter>
      <name>driverClassName</name><value>org.gjt.mm.mysql.Driver</value>
    </parameter>
    <parameter>
      <name>url</name><value>jdbc:mysql://Host:3306/Database?autoReconnect=true</value>
    </parameter>
  </ResourceParams>
</Context>
```

Kobling til "resource" i server.xml, MySQLdb

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE web-app
  PUBLIC "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN" "http://java.sun.com/dtd/web-app_2_3.dtd">
<web-app>
  <description>btdata.no MySQL App </description>
  <resource-ref>
    <description>DB Connection</description>
    <res-ref-name>jdbc/MySQLdb</res-ref-name>
    <res-type>javax.sql.DataSource</res-type>
    <res-auth>Container</res-auth>
  </resource-ref>
  <security-constraint>
    <web-resource-collection>
      <web-resource-name>Entire Application</web-resource-name>
      <url-pattern>/*</url-pattern>
      <http-method>GET</http-method>
      <http-method>POST</http-method>
    </web-resource-collection>
    <auth-constraint>
      <role-name>manager</role-name>
    </auth-constraint>
  </security-constraint>
  <login-config>
    <auth-method>FORM</auth-method>
    <realm-name>MySQL testApp btdata.no</realm-name>
    <form-login-config>
      <form-login-page>/login.jsp</form-login-page>
      <form-error-page>/error.jsp</form-error-page>
    </form-login-config>
  </login-config>
  <security-role>
    <description>The role that is required to log in to MySQL</description>
    <role-name>manager</role-name>
  </security-role>
</web-app>

```