**WPS ASSIGNMENT-2 B. Ramya**

**1602-18-733-033**

1)

**package** example;

**import** java.sql.\*;

**import** javax.sql.rowset.\*;

**import** javax.sql.rowset.spi.\*;

**import** java.io.\*;

**public** **class** CachedRowSetExample {

**static** Console *console* = System.*console*();

**static** String *answer*;

**static** **boolean** *quit* = **false**;

**public** **static** **void** main(String[] args) {

String url = "jdbc:mysql://localhost:8080/test";

String username = "root";

String password = "";

**try** (Connection conn = DriverManager.*getConnection*(url, username, password)) {

conn.setAutoCommit(**false**);

String sql = "SELECT \* FROM register";

Statement statement = conn.createStatement();

ResultSet result = statement.executeQuery(sql);

RowSetFactory factory = RowSetProvider.*newFactory*();

CachedRowSet rowset = factory.createCachedRowSet();

rowset.setTableName("register ");

rowset.populate(result);

**while** (!*quit*) {

**if** (!*readUser*(rowset)) **continue**;

*updateUser*(rowset);

*deleteUser*(rowset);

*insertUser*(rowset);

*saveChanges*(rowset, conn);

*askToQuit*();

}

} **catch** (SQLException ex) {

System.***out***.println(ex.getMessage());

ex.printStackTrace();

}

}

**static** **void** readUserInfo(String position, ResultSet result)

**throws** SQLException {

String name = result.getString("name");

String email = result.getString("email");

String mobile = result.getString("mobile");

String dob=result.getString("dob");

String UserInfo = "%s: %s - %s - %s\n";

System.***out***.format(UserInfo, position, name, email,mobile,dob );

}

**static** **boolean** readUser(ResultSet result) **throws** SQLException {

**int** row = Integer.*parseInt*(*console*.readLine("Enter mobile number: "));

**if** (result.absolute(row)) {

*readUserInfo*("row " + row + ": ", result);

**return** **true**;

} **else** {

System.***out***.println("There's no row " + row);

**return** **false**;

}

}

**static** **void** updateUser(ResultSet result) **throws** SQLException {

*answer* = *console*.readLine("Do you want to update (Y/N)?: ");

**if** (*answer*.equalsIgnoreCase("Y")) {

String name = *console*.readLine("\tUpdate name: ");

String email = *console*.readLine("\tUpdate email: ");

String mobile = *console*.readLine("\tUpdate mobile: ");

String dob = *console*.readLine("\tUpdate dob: ");

**if** (!name.equals("")) result.updateString("name", name);

**if** (!email.equals("")) result.updateString("email", email);

**if** (!mobile.equals("")) result.updateString("mobile", mobile);

**if** (!dob.equals("")) result.updateString("dob", mobile);

result.updateRow();

System.***out***.println("The user has been updated.");

}

}

**static** **void** deleteUser(ResultSet result) **throws** SQLException {

*answer* = *console*.readLine("Do you want to delete this student (Y/N)?: ");

**if** (*answer*.equalsIgnoreCase("Y")) {

result.deleteRow();

System.***out***.println("The user has been removed.");

}

}

**static** **void** insertUser(ResultSet result) **throws** SQLException {

*answer* = *console*.readLine("Do you want to insert (Y/N)?: ");

**if** (*answer*.equalsIgnoreCase("Y")) {

String name = *console*.readLine("\tEnter name: ");

String email = *console*.readLine("\tEnter email: ");

String mobile = *console*.readLine("\tUpdate mobile: ");

String dob = *console*.readLine("\tUpdate dob: ");

result.moveToInsertRow();

result.updateNull("id");

result.updateString("name", name);

result.updateString("email", email);

result.updateString("mobile", mobile);

result.updateString("dob", dob);

result.insertRow();

result.moveToCurrentRow();

System.***out***.println("User has been added.");

}

}

**static** **void** saveChanges(CachedRowSet rowset, Connection conn) {

*answer* = *console*.readLine("Do you want to save changes (Y/N)?: ");

**if** (*answer*.equalsIgnoreCase("Y")) {

**try** {

rowset.acceptChanges(conn);

} **catch** (SyncProviderException ex) {

System.***out***.println("Error commiting changes to the database: " + ex);

}

}

}

**static** **void** askToQuit() {

*answer* = *console*.readLine("Do you want to quit (Y/N)?: ");

*quit* = *answer*.equalsIgnoreCase("Y");

}

}

2)

index.php

<?php

session\_start();

if (!isset($\_SESSION['username'])) {

$\_SESSION['msg'] = "You have to log in first";

header('location: login.php');

}

if (isset($\_GET['logout'])) {

session\_destroy();

unset($\_SESSION['username']);

header("location: login.php");

}

?>

<!DOCTYPE html>

<html>

<head>

<title>Homepage</title>

<link rel="stylesheet" type="text/css"

href="style.css">

</head>

<body>

<div class="header">

<h2>Home Page</h2>

</div>

<div class="content">

<a href="login.php">login page</a>

<?php if (isset($\_SESSION['success'])) : ?>

<div class="error success" >

<h3>

<?php

echo $\_SESSION['success'];

unset($\_SESSION['success']);

?>

</h3>

</div>

<?php endif ?>

<?php if (isset($\_SESSION['username'])) : ?>

<p>

Welcome

<strong>

<?php echo $\_SESSION['username']; ?>

</strong>

</p>

<p>

<a href="index.php?logout='1'" style="color: red;">

Click here to Logout

</a>

<a href="link3.html">next page</a>

</p>

<?php endif ?>

</div>

</body>

</html>

login.php

<?php include('server.php') ?>

<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" type="text/css"

href="style.css">

</head>

<body>

<div class="header">

<h2>Login Here!</h2>

</div>

<form method="post" action="login.php">

<?php include('errors.php'); ?>

<div class="input-group">

<label>Enter Username</label>

<input type="text" name="username" >

</div>

<div class="input-group">

<label>Enter Password</label>

<input type="password" name="password">

</div>

<div class="input-group">

<button type="submit" class="btn"

name="login\_user">

Login

</button>

</div>

<p>

New Here?

<a href="register.php">

Click here to regsiter!

</a>

</p>

</form>

</body>

</html>

register.php

<?php include('server.php') ?>

<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" type="text/css"

href="style.css">

</head>

<body>

<div class="header">

<h2>Register</h2>

</div>

<form method="post" action="register.php">

<?php include('errors.php'); ?>

<div class="input-group">

<label>Enter Username</label>

<input type="text" name="username"

value="<?php echo $username; ?>">

</div>

<div class="input-group">

<label>Email</label>

<input type="email" name="email"

value="<?php echo $email; ?>">

</div>

<div class="input-group">

<label>Enter Password</label>

<input type="password" name="password\_1">

</div>

<div class="input-group">

<label>Confirm password</label>

<input type="password" name="password\_2">

</div>

<div class="input-group">

<button type="submit" class="btn"

name="reg\_user">

Register

</button>

</div>

<p>

Already having an account?

<a href="login.php">

Login Here!

</a>

</p>

</form>

</body>

</html>

server.php

<?php

session\_start();

$username = "";

$email = "";

$errors = array();

$\_SESSION['success'] = "";

$db = mysqli\_connect('localhost', 'root', '', 'registration');

if (isset($\_POST['reg\_user'])) {

$username = mysqli\_real\_escape\_string($db, $\_POST['username']);

$email = mysqli\_real\_escape\_string($db, $\_POST['email']);

$password\_1 = mysqli\_real\_escape\_string($db, $\_POST['password\_1']);

$password\_2 = mysqli\_real\_escape\_string($db, $\_POST['password\_2']);

if (empty($username)) { array\_push($errors, "Username is required"); }

if (empty($email)) { array\_push($errors, "Email is required"); }

if (empty($password\_1)) { array\_push($errors, "Password is required"); }

if ($password\_1 != $password\_2) {

array\_push($errors, "The two passwords do not match");

}

if (count($errors) == 0) {

$password = md5($password\_1);

$query = "INSERT INTO users (username, email, password)

VALUES('$username', '$email', '$password')";

mysqli\_query($db, $query);

$\_SESSION['username'] = $username;

$\_SESSION['success'] = "You have logged in";

header('location: index.php');

}

}

if (isset($\_POST['login\_user'])) {

$username = mysqli\_real\_escape\_string($db, $\_POST['username']);

$password = mysqli\_real\_escape\_string($db, $\_POST['password']);

if (empty($username)) {

array\_push($errors, "Username is required");

}

if (empty($password)) {

array\_push($errors, "Password is required");

}

if (count($errors) == 0) {

$password = md5($password);

$query = "SELECT \* FROM users WHERE username=

'$username' AND password='$password'";

$results = mysqli\_query($db, $query);

if (mysqli\_num\_rows($results) == 1) {

$\_SESSION['username'] = $username;

$\_SESSION['success'] = "You have logged in!";

header('location: index.php');

}

else {

array\_push($errors, "Username or password incorrect");

}

}

}

?>

link3.html

<html>

<body>

<h2>THIS IS THE 3RD LINK ONLY USERS CAN SEE</h2>

</body>

</html>