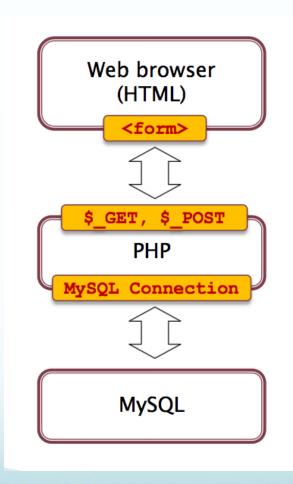
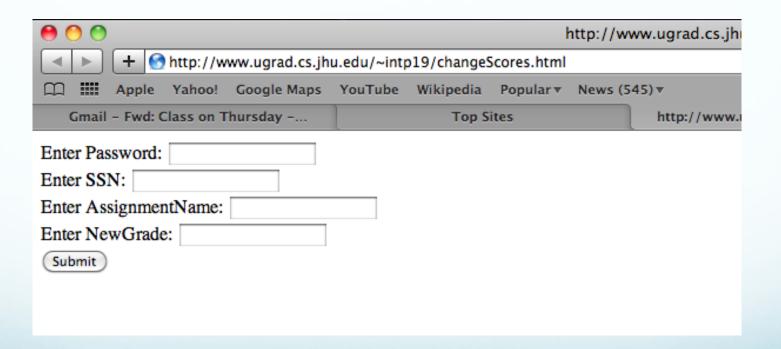
PHP + MySQL + Web

PHP + MySQL + Web

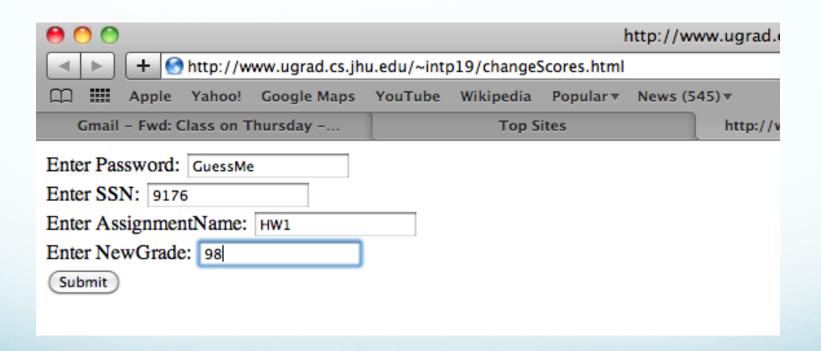


The Goal

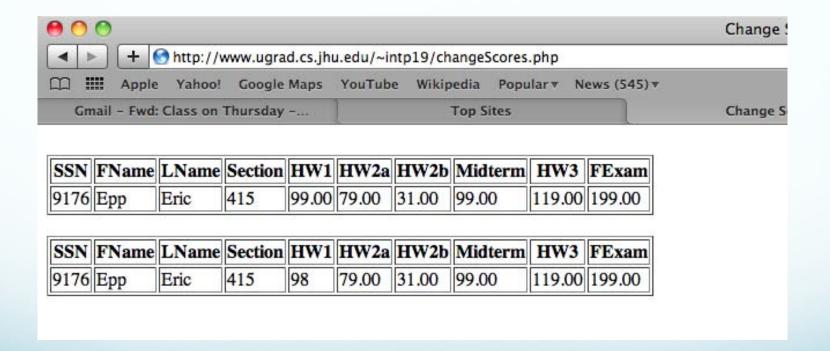
Web Interface that can access the database



To update the database from the Web Interface.



Output Screen



PHP + MySQL

How to Connect DBASE MySQL server from UGRAD machine

HTML Sample code

```
<html>
<body>
<form action="update.php" method="post">
Enter Password: <input type="text" name="password"><br>
Enter SSN: <input type="text" name="ssn"><br>
Enter New Grade: <input type="text" name="newgrade"><br>
<input type="submit">
</html>
</body>
```

PHP Sample code

Reading data from the text box.

```
<?php
include 'conf.php';
include 'open.php';
$password = $_POST["password"];
$ssn = $_POST["ssn"];
$newgrade = $_POST["newgrade"];</pre>
```

To use stored procedure in MySQL with PHP

Check list

All your source codes should be located in the ~/public_html folder

If there isn't create one as follows.

>mkdir public_html

>chmod 705 public_html

 You have to change the permission of a file if you w ant to access it via web-browser. (IMPORTANT STEP) □ >chmod 704 demo1.php

SQL Stored Procedures

What are Stored Procedures?

- A Stored Procedure is a pre-written SQL statement that is saved in the database.
- The Stored Procedure can then be executed many times without having to rewriting the SQL statement.
- Stored Procedures can take external variables and return results either in scalar variables or in selected rows.

CREATE a stored procedure:

- Stored procedures are created by specifying a function name i.e. strLen()
- Variables can be passed to it using the IN keyword and returned using the OUT keyword. The type must be specified.
- BEGIN and END keywords are used to specify the body of the procedure.

Using a stored procedure:

```
delimiter;

call strLen(`testString`);
+----+
| charCount |
+----+
| 10 |
+-----+
```

Returning error messages in a stored procedure:

SQL Views

What are SQL Views?

- A SQL View can be though of as a virtual table or a stored query.
- It does not physically exist in the database but it can be accessed like a table.
- Unlike a real table, Views can't store data.
- Views can be used to reduce repeated queries.

SQL View Example

CREATE a SQL View:

```
delimiter //
CREATE OR REPLACE VIEW myScores AS
Select HW1,HW2a, HW2b,Midterm,HW3,FExam
FROM rawscores
WHERE FName = `Tian`;
//
```

SQL View Example

Using a SQL View:

