CIT 381

reading a PHP program
connection to MySQL
components

• program consists of regular html
• and php code within the php tag pairs
• starting <?php and ending ?>
• php makes use of mysqli library
• we look at example

http://ix.cs.uoregon.edu/~cwilson/testbed381/findCustomers.php
variables

PHP variables start with dollar sign; untyped

$mynname = “Sarah”; 
$mynname = $mynname.” Williams”;  //concat
$mynname = $mynname. “ Williams”;  //concat
$mynname = $mynname * 2;

thisnumber = 15;
the keywords “print” or “echo” send to output stream

print $myname;
print $thisnumber;

(gives what?)
conditionals

These are a bit hard

• if then
• for
• foreach
• while
our example

while($row = mysqli_fetch_array($result, MYSQLI_BOTH))
    { print "\n";
        print "$row[firstName] $row[lastName] $row[city]";
    }

In English, while the fetch array returns something, do the part in the brackets.
mysqli functions

• `mysqli_connect`: makes db connections, and needs connection parameters

• `mysqli_query`: sends the query (a string) to the open db connection, and returns a result set

• `mysqli_fetch_array`: extracts a row from the result set and gives it to us as a PHP array
• `mysqli_free_result`, `mysqli_close`: free up the referenced resources
• `mysqli_error`: get the error from MySQL

Other useful functions

• `mysqli_real_escape_string`: inserts quotation marks around escapes for security

• `mysqli_prepare`: better security (prepared statements)