

• here is an example of connecting to the database:

\$conn = mysql_connect(\$mysql_host, \$mysql_user, \$mysql_password) or die('Could not connect: ' . mysql_error()); echo 'Connected successfully'; mysql_select_db(\$mysql_db) or die('Could not select database');

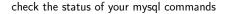
- replace the variables \$mysql_host, \$mysql_user, \$mysql_password and \$mysql_db with strings containing the values for your database
- notice that there are two functions invoked
 - one that logs into mysql: mysql_connect()
 - one that selects the database to use: mysql_select_db()

- to disconnect from mysql, there is one function needed:

mysql_close(\$conn);

cis20.2-spring2008-sklar-lecl1.3

cis20.2-spring2008-sklar-lecl1.3



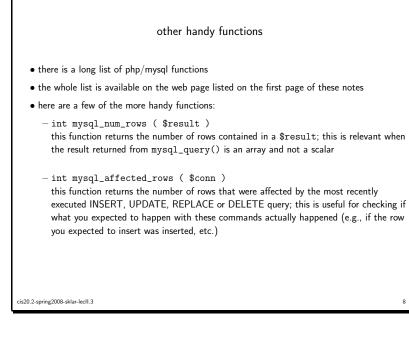
- if errors occur, the functions return errors
- these errors can be read as strings using the function mysql_error()
- note the usage in this statement:

```
cis20.2-spring2008-sklar-lecll.3
```

• there are three functions used here

- one to execute the query and store the result in a local variable: <code>mysql_query()</code>
- one to parse the data read returned from the query as an array: <code>mysql_fetch_array()</code>
- one to free the memory used by the query result: <code>mysql_free_result()</code>
- NOTE that if the result returned is a scalar and not an array, then only mysql_query() needs to be called and does not need to be followed by a call to mysql_fetch_array()
- finally, note the use of mysql_error() in the query function

```
execute mysql queries
  • here is an example of executing a SELECT query:
   // set up and execute the MvSQL query
   $query = 'SELECT * FROM my_table';
   $result = mysql_query( $query )
             or die( 'Query failed: '. mysql_error() );
   // print the results as an HTML table
   echo "\n";
   while ( $row = mysql_fetch_array( $result, MYSQL_ASSOC )) {
       echo "\t\n";
       foreach ( $row as $item ) {
           echo "\t\t$item\n";
       }
       echo "\t\n";
   }
   echo "\n":
   // free result
   mysql_free_result( $result );
cis20.2-spring2008-sklar-lecl1.3
```



cis20.2-spring2008-sklar-lecII.3

