

## Connecting to the Database From PHP

1. Go to the D2L Assignment folder titled ConnectToDB. Extract the zip folder which will contain the code for what I showed you in class. It has:
  - a. form.html: An HTML file with a form
  - b. form.php: A php file to enter into the DB
  - c. thankyou.html: A thank you for submitting file
2. Modify form.html to contain 2 grades (instead of only 1), grade1 and grade 2.
3. Modify form.php as follows:
  - a. Add an extra \$\_POST getting the newest grade item (use the name you called it in the html) and store it in a variable. (You may need to modify the other \$\_POST('grade') accordingly (ex. if you now call it grade1 in the html and so as not to have the name of both variables called grade).
  - b. Use your username, password, and database names (instead of testuser).
  - c. Modify the SQL INSERT statement to insert the extra grade item and ensure the names match the names of the columns you used when creating your table in phpmyadmin. You will need an extra ? in values since you are inserting 5 now.
  - d. Add the new grade variable to bind\_param and remember to change the bind to integers (i) for both grade items as they were set to integers in your database.
4. To check for errors with the PHP syntax, copy and paste your PHP code (not html) into: <http://phpcodechecker.com/>
5. Upload all 3 files to the server using FileZilla with your username and password. Bring up the form.html file using <http://cs.neiu.edu/neiuusername/form.html> (where neiuusername is your neiuusername).
6. Enter data in the form. If you get errors fix them and reupload. (If you get a Fatal error on bind\_param something could be wrong with the INSERT statement above.) If you don't have helpful errors, try the phpcodechecker again in case your code changed.
7. If everything worked (and you go to the Thank You page), open phpmyadmin to check if the new rows got inserted successfully.
8. Try adding some additional students as well by going back to your URL. Check phpMyAdmin to ensure it worked! <http://cs.neiu.edu/neiuusername/form.html>
9. Submission: Submit (1) a **zip** file containing all 3 files into the D2L assignment folder titled ConnectToDB. (2) a URL to your form.html - I will test by inserting into your table!
- 10. Additional Challenge (Optional):**
  - a. Create a new PHP file and see if you can retrieve the data in the database! (Submit this PHP file in the zip and URL as well.)