

Computer Science 220, Spring 2012
HW7 –Functions, File I/O, Conditionals

Learning objectives:

Writing functions
Conditionals
File I/O

Directed Activities:

0. Download tictactoe.py or use your own code to solve the following.
1. Write a get_row function that is similar to the get_column function. Use it in check_winner. Demonstrate to instructor.
2. Modify the check_winner function, so that it uses a loop to check all of the columns and all of the rows. Demonstrate to instructor.
3. Create/move the code for the login screen into a function called login. Demonstrate to instructor.
4. Create/move the code for displaying the winner into a show_winner function. Demonstrate to instructor.
5. Add a button to the login screen that checks the user's name and password. Only run the check login function when they hit the button.
6. Read the user names and passwords from a file called db.txt.
7. Add the ability to create a new user by clicking on a button in the login screen.
8. Add the ability to change a password by clicking on a button in the login screen.
9. Change the login screen, so two players have to log in.
10. Add two columns to db.txt that records the number of games won and the total number of games played for each player.
11. Write code to display the wins and losses for both players at the end of the game.