**Timed Test**

This timed test is testing you on Module 4 material. Do not use material covered in Module 5. Only use what we have taught in this class. You do not need a specific filename or any specific comments. **Be sure your file does not have any errors before submitting or you will receive a 0.**

**Important**: the only built in functions you may use in this timed test are print, len, and range.Using a built in function as a variable name will result in a 0 for the entire timed test. Using break will also result in a 0.

If you have any doubts if something is allowed or not, check the “Important” tab on the syllabus before you submit.

**Question:**

This timed test expects you to traverse two lists and depending upon a condition, perform a specific operation. Here is what you are supposed to do:

* Create a function named **best\_movies()** that takes in two lists (movie\_names and ratings) as parameter. Movie\_names and ratings are corelated via the same index number. For instance, if we have the following lists:

[‘Top Gun’, ‘Titantic’, ‘Harry Potter’] and [5.5, 8.5, 9]

Then we can safely say that Top Gun has a rating of 5.5 and Titanic has a rating of 8.5.

* Within the body of best\_movies, traverse both lists. If the movie has a rating of 8.5 or higher, you will add that movie’s name into a list named **bestest**. Otherwise, you would print the name of the movie and its rating.
* After traversing the lists, return **bestest**.
* Create another function named main(), that doesn’t have an input or output. Create movie\_names and ratings within main. Invoke best\_movies appropriately and print the returned list within main.
* Invoke main.

Note: You can assume that the lists are always of equal length.

**Rubric:**

Specific Function – 42

* Header: 4 pts
* Correct name: 2 pts
* Two parameters to represent two lists: 2 pts
* Loop: 10 pts
* -5 pts if incorrect range or incorrect condition on while
* If Condition: 12 pts
* Correct conditional: 6 pts
* – 3 pts if they used “if” but the condition was incorrect
* Correct operation in if condition: 6 pts
* \*\*decide any partial credit for the correct operation for your specific timed test
* Else Condition: 12 pts
* Correct conditional: 6 pts
* – 2 pts if they used another if or elif instead of else
* Correct operation in else condition: 6 pts
* \*\*decide any partial credit for the correct operation for your specific timed test
* Return: 4 pts
* Correct placement (i.e. outside loop but inside function): 3 pt
* Returning correct list: 1 pt

Main: 8 pts

* Defining both lists: 3 pts
* Calling the other function properly (passing a list, setting equal to a variable, printing the variable): 3 pts
* Invoking main: 2 pts