

LING115 Homework #3
Due: September 15, 2010

Instructions:

Create a `hw3` directory under your home directory.

Write up your answers to the questions below using your favorite text-editor.

Save the write-up as `<yourID>.hw3` (e.g. `hahnkoo.hw3`) under the `hw3` directory.

All files I mention below are available under `/home/ling115/hw3_out/`.

So copy the necessary files from that directory.

1. [1 pt] Explain how `hello1.py` and `hello2.py` are different. More specifically, explain how you would run each program.

2. [1 pt] You can add comments in Python by starting your comments with `#` as follows:

```
# This is a comment.  
print 'hello' # Comment even the most obvious ones.
```

Copy `dogs.py` into your home directory and open it with a text-editor.

The code should look like the following:

```
for alias in ['Blonde', 'Blue', 'Brown', 'Orange', 'Pink', 'White']:  
    print 'Hi, my name is Mr.'+alias
```

Insert a line above the `for`-statement to add a comment explaining what the program does.

Save your program after you have added your comment.

3. [2 pts] Copy `dogs_aliases.py` into your home-directory.

Add `if`-statements to the file below the comment line that reads `# 2`. Add your `if`-statements here so that the program does the following:

- (1) If the variable `last_name` equals `Keitel` or `keitel`, print `Mr.White`.
- (2) If the variable `last_name` equals `Roth` or `roth`, print `Mr.Orange`.
- (3) If the variable `last_name` equals `Buscemi` or `buscemi`, print `Mr.Pink`.
- (4) If the variable `last_name` equals `Tarantino` or `tarantino`, print `Mr.Brown`.
- (5) If the variable `last_name` equals `Bunker` or `bunker`, print `Mr.Blue`.
- (6) If the variable `last_name` equals `Madsen` or `madsen`, print `Mr.Blonde`.
- (7) Otherwise, print `You haven't seen Reservoir Dogs`.

Save your program. Run your program as follows:

```
$ python dogs_aliases.py keitel
```

What happens?

4. [2 pts] The Python program `read_dogs.py` takes the name of a file as its argument. For example:

```
$ python read_dogs.py dogs_aliases.txt
```

Copy `read_dogs.py` and `dogs_aliases.txt` into your home-directory.

Open `read_dogs.py` with a text-editor.

Make sure you understand what lines 3 through 8 do by reading the comments.

Follow the instruction specified in the line that begins with `# 2`. That's line number 9.

Save your program and run your program as follows:

```
$ python read_dogs.py dogs_aliases.txt
```

What happens?