CS 112 Lab Assignment

Instructor: Dan Fleck
Lab: #1

Overview

This lab will help you familiarize yourself with Python, the computer lab and Blackboard. For this lab you will do two things:

1. Type in and run a simple Python file
2. Submit that file and a picture of yourself on Blackboard. (The picture is so I can put a name to a face in the class. Don't submit any picture you wouldn't submit to your grandmother!)

Assignment

1. Go to the lab
2. Login to the lab machine using your GMU ID/password
3. Start the Python programming environment (IDLE)
4. Create a new "program"
   a. File->New Window
   b. (A new window should appear where you can type your program in)
5. Type in the following program (remember, whitespace (the spaces at the beginning of the line) is significant, don't leave it out.
6. Save the program as filename: lab01.py
7. Run the program (press F5) or use Run->Run Module from the menu bar
8. Logon ~~to WebCT (http://webct.gmu.edu)~~ Blackboard (http://courses.gmu.edu)
9. Click on "Assignments", "Lab 01"
10. Submit the lab01.py file you just created
11. Submit a picture of yourself to help me remember names/faces together

```python
# Lab 01
# Author: <your name>
# Description: This program asks for a name to be input, and an age, then prints out the
# person's age in 25 years

# Ask the user for their name
def getName():
    name = raw_input("What is your name >")

    # Send that value to whoever called this function
    return name

def getAge():
    # Ask the user for thier age
    age = raw_input("What is your age >")

    # Convert the age variable to numbers, an "integer", so we can do math
    # instead of letters (a String) which is returned from raw_input
    ageInt = int(age)

    # Send that number to whoever called this function
    return ageInt


def main():
    name = getName()
    age = getAge()
    futureAge = age + 25 # Add 25 to the age

    # Print out the information to the screen
    print "Your name is:", name, " in 25 years you will be ", futureAge

    if (futureAge >= 59):
        # If the futureAge is greater than or equal to 59, print the Clinton Message
        print "and older than Hillary Clinton"
    elif (futureAge >= 46):
        # "else if" (we are not greater than or equal to 59, are we greater than or equal to 46?
        # If so, print out the Barack message
        print "and older than Barack Obama"
    else:
        # Okay, we're neither >= 59 or 46, just print out the message below then.
        print ". Which is younger than Hillary Clinton and Barack Obama"



# Run the "main" function above when this file is loaded
main()
```

Ln: 26 Col: 20

What to turn in:

1. lab01.py
2. A picture of yourself