

Project 1 – Hello World 20 points possible

Project Requirements

Name of program file:	hello_world.py
Description of program:	This program will test your knowledge of concepts from week 1. This includes working with strings, numbers, and comments. You will also need to use the input function and work with simple while loops and try except concepts.
Program Requirements:	<p>The program MUST follow the input, process, output model described in the syllabus video and the introduction to programming pdf. You MUST follow the structure outlined or you will lose points.</p> <p>This program will need the import statements for username and today's date.</p> <p>This program must have a flower box comment section with your name, date created, and description of the program (FYI: Not My Description from Above)</p> <p>Input section:</p> <p>This program will ask for user input for a name (string) and a Fahrenheit number (float) for Celsius conversion.</p> <p>Process section:</p> <p>Name processing: You must create and assign variables for the name holding upper, lower and title cases. You must create and assign a variable for the length of the name variable. Use indexing to create the following slices of name:</p> <ol style="list-style-type: none">1. First character2. Last character3. Second character to the end of the string <p>You must create a message variable and assign it with text created with an f string function. You must create and assign a message variable and assign it with text created using concatenation. Both messages should display the word "Hello" then the name in proper case followed by "your name is" followed by length variable and finally "characters long!"</p> <p>The output should look like: Hello Dale, your name is 4 characters long!</p>

	<p>You must create and assign a variable for the multiplication of the name variable of 10x.</p> <p>Fahrenheit processing: You must create and assign a variable for the Celsius integer calculation You must create and assign a variable for the Celsius float calculation</p> <p>Output section:</p> <p>You must then output all variables and some variable types in this order:</p> <p>Username Today's Date Name entered by user Type of variable that name is The 3 case variables, upper, lower, title (proper case) The length of the name variable The first initial of name The last character of name Name from 2 position to end of string The f string message The concatenated message The Celsius float variable followed by its type The Celsius integer variable followed by its type</p>
What to turn in:	<p>Take a screen shot of your RUNNING program Upload the screen shot and the py file to blackboard as TWO separate files.</p>

Assignment Template

```
1  #Import Section
2
3  from datetime import date  #import this for Date
4  import getpass             #import this for User
5
6  #Flower Box Section
7
8  #####
9  #
10 #   Name:  Dale Fontenot
11 #   Date:  01/23/2022
12 #   Program Description:
13 #
14 #   Describe as completely as possible
15 #   what the program does including what inputs, processes
16 #   and outputs
17 #
18 #####
19
20 #Input section
21
22     #All variables need for use input will be declared here
23     #All input functions will be in this section
24     #Make sure to use line comments to fully explain the inputs
25
26
27 #Process section
28
29     #All process of user input and calculations will be in this section
30     #Make sure to use line comments to fully explain how the data is being processed
31
32
33 #Output section
34
35     #Username and Today's Date will be in this section and ALWAYS First
36     #All output in the form of print functions will be in this section
37     #Make sure to use line comments to fully explain what is being displayed and how it is formatted
38
39
```