Computer Science 1	Lab 03A 1-Day Minor Python Assignment
First Python Program *Catholic School Version*	**80, 90 & 100 Point Versions**

Assignment Purpose:

The purpose of this lab assignment is to demonstrate knowledge of creating and executing a simple Python program consisting of several **print** statements.

This is your first Python lab assignment. You are not yet expected to figure out any complicated program logic. Your mission is to demonstrate that you can use an *Integrated Development Environment* (IDE) to enter the *source code* and then *execute* the finished program.

You will be shown 3 different Sample Executions. The first is for the simple 80-point version; the second is for the more challenging 90-point version; and the third is for the even more challenging 100-point version. For this assignment, there is no complicated program logic. That will come later. For now, you are simply using **print** commands to generate the expected output. It is strongly recommended that you start with the simplest point version and work your way up from there.

When you are finished, your instructor will grade your assignment. Start by displaying the execution on the monitor, which shows that the program displays the required output correctly.

You are provided with a starting file called **Lab03Ast.py** in the **Lab03A-FirstPythonProgram** folder.

```
1  # Lab03Ast.py
2  # "The First Python Program"
3  # This is the student, starting version of Lab 03A
4
5
```

NOTE: The "**st**" in the file name means this is the **st**udent, **st**arting file.
ALSO: Python programs do not have line numbers. They are added by the IDE.

Student Starting Version Output

If you execute the provided program, you will see the output is blank. The only output visible is provided by the **jGRASP** IDE to mark the beginning and end of the program output. In this output, you can see that there is nothing in-between.

```
    ----jGRASP exec: python Lab3Ast.py

    ----jGRASP: operation complete.
▶▶
```

80 Point Version Specifics and Output

For 80 points, you need to add several **print** commands to generate the output below:

```
  ----jGRASP exec: python Lab3Av80-Catholic.py

  *******************************************
  Lab 03A, The First Python Program
  80 Point Version
  By: JOHN SMITH
  *******************************************


  Measure today's understanding by yesterday's confusion.

  Bewilderment + Exposure = Obvious


  A poet I'm not
  Don't claim to be
  But what I wrote
  Did come from me.


  For God so loved the world He gave his only Son
  so that those who would believe in Him might not perish,
  but might have eternal life.

  For God did not send his Son into the world to condemn the world,
  but that the world might be saved through Him.

  John 3:16-17

   ----jGRASP: operation complete.
►►
```

Keep the following in mind:

- The heading needs to show your name, not **John Smith** (unless that actually is your name).
- Your program heading needs to show the point version you have finished.
- After your instructor has seen the execution, show the source code file.

90 Point Version Specifics and Output

For the **90-point** version you need to add more **print** statements to display the *ASCII Dog* between the poem and the Bible verse.

```
  ----jGRASP exec: python Lab3Av90-Catholic.py


 *******************************************
 Lab 03A, The First Python Program
 90 Point Version
 By: JOHN SMITH
 *******************************************



 Measure today's understanding by yesterday's confusion.


 Bewilderment + Exposure = Obvious



 A poet I'm not
 Don't claim to be
 But what I wrote
 Did come from me.



 +---------------+
 | +-+  @ @  +-+ |
 | | | ( ^ ) | | |
 +-+ +---U---+ +-+



 For God so loved the world He gave his only Son
 so that those who would believe in Him might not perish,
 but might have eternal life.

 For God did not send his Son into the world to condemn the world,
 but that the world might be saved through Him.

 John 3:16-17

  ----jGRASP: operation complete.
▶▶
```

100 Point Version Specifics and Output

For the **100-point** version you need to add even more **print** statements so that the "**John 3:16-17**" is displayed in the exact manner as shown below.
NOTE: Do NOT use the <TAB> key inside "quotes". It will mess up your output!

```
  ----jGRASP exec: python Lab3Av100-Catholic.py

*******************************************
Lab 03A, The First Python Program
100 Point Version
By: JOHN SMITH
*******************************************


Measure today's understanding by yesterday's confusion.

Bewilderment + Exposure = Obvious


A poet I'm not
Don't claim to be
But what I wrote
Did come from me.


+---------------+
| +-+  @ @  +-+ |
| | | ( ^ ) | | |
+-+ +---U---+ +-+


For God so loved the world He gave his only Son
so that those who would believe in Him might not perish,
but might have eternal life.

For God did not send his Son into the world to condemn the world,
but that the world might be saved through Him.

   ###    ###   #   #  #   #     #####    #  #####     #  #####
    #   #   #   #   #   ##  #        #   #  #   #              #    #
    #   #   #  #####  # # #      ####    #  #####  ###  #      #
 #  #   #   #   #   #  #   ##        #   #  #   #   #          #    #
 ####    ###   #   #  #   #     #####    #  #####         #    #

  ----jGRASP: operation complete.
```

▶▶