# Assignment 1

**Due** Jan 17 at 11:59pm **Points** 30 **Questions** 15 **Time Limit** None
**Allowed Attempts** 2

# Instructions

- Although questions of this assignment are given in a form of quiz, it is an assignment without uploading any program files, not a quiz.
- This assignment assumes you have studied Chapter 1 and 2.
- This assignment also assumes you have Python 3 installed on your computer that can execute a Python statement or a given file.
- Most questions of this assignment are based on Chapter 1 and 2 with some using lecture materials while a few questions may require your additional research for correct or the best answer.
- As an assignment (not a quiz), these questions can be answered in **open-book** form with **no time limit,** but, once started, you must complete and submit it in one session before due. Second attempt is allowed only before due and the total attempts is limited to two with the higher score kept for grading.
- Questions need to be completed by following instructions given in the question for full credits.
- Questions are weighted differently and are not sorted in any particular order.
- Answers of fill-in-blank(s) question are case insensitive. However, no partial credits for each blank in a fill-in-blank(s) question due to spelling, symbols, spaces, or singular/plural form. Please do not contact instructor or TA for partial credits of this type of errors.
- Correct answers will be released on Jan 18. Therefore, overdue submission of this assignment will be graded or re-graded to zero credits rather than 20% deduction per day late.

Take the Quiz Again

## Attempt History

| | Attempt | Time | Score |
|---|---|---|---|
| **LATEST** | Attempt 1 | 67 minutes | 21 out of 30 |

Correct answers will be available on Jan 18 at 12am.

Score for this attempt: **21** out of 30
Submitted Jan 14 at 10:39pm
This attempt took 67 minutes.

Partial

## Question 1

3 / 4 pts

Python version 0.9 was released in year of 1991 . It is developed by Guido van Rossum (three words) of the Netherlands. All program examples of our textbook are based on version 3.9 and the latest release for download as of 2022 is version 3.10 .

**Answer 1:**

1991

**Answer 2:**

Guido van Rossum

**Answer 3:**

3.9

**Answer 4:**

3.10

## Question 2

1 / 1 pts

Python is open source.

- (●) True
- ( ) False

## Question 3

1 / 1 pts

Although Python has most of the features of traditional programming languages and can support the development of a wide range of programs, including games and web applications, it is not suitable for system administration tasks and applications.

- True
- False

## Question 4

1 / 1 pts

The standard indentation is six spaces whenever it is required in a Python program. It can be re-configured and customized to contain different spaces but incorrect indentation in a program causes an error.

- True
- False

## Question 5

1 / 1 pts

With explicit continuation, you can use the _____ character to divide statements anywhere on a line.

- --
- +

- \
- /
- #

Partial

## Question 6

1 / 2 pts

A Python program typically starts with a line that begins with a hash (#) symbol followed by a bang (!) symbol. This line is called shebang (one word) line, which identifies the shell to use when running the program. If IDLE is used to run a program, it doesn't need a shebang line although it's generally considered a good practice to include one.

**Answer 1:**

shebang

**Answer 2:**

shell

Incorrect

## Question 7

0 / 4 pts

This is a question following a demonstration given in lectures of this week.

By writing one statement using Python interactive shell to print out, line by line, the triple of every integer represented by a variable, **p**, ranging from 0 to 10, inclusive, the first line of this statement entered in the shell should be for p in range(0,11): (don't forget the required symbol at

the end to begin a block statement in Python). This line then is followed by a line, assuming proper (or default) indentation is included, to print the number, which should be print(p*3) (Do NOT include the indentation in your answer here as it's assumed. Otherwise, it will be graded by Canvas as an error.)

*No partial credits for each blank due to typos or missing symbols.

**Answer 1:**

for p in range(0,11):

**Answer 2:**

print(p*3)

## Question 8

1 / 1 pts

To code a block comment, you code

- (●) a pound sign (#) at the start of each line.
- ( ) a pound sign (#) at the start of the first line and another same sign at the end of the last line of the block comment.
- ( ) double forward slash sign (//) at the start of each line.
- ( ) double dash sign (--) at the start of each line.

## Question 9

1 / 1 pts

In Python, you can assign a value of any data type to a variable, even if that variable has previously been assigned to a value of a different data type.

- (●) True
- ( ) False

## Question 10

1 / 1 pts

Select only correct statement in Python.

- ( ) A variable can be named by using the word of return in Python.
- ( ) A variable name must begin with a letter or underscore or #.
- ( ) A variable name can't begin with a number (e.g., 6, 251, 90) or anywhere later in the name.
- (●) Variable names can start with a lowercase or uppercase letter.

## Question 11

4 / 4 pts

Executing in Python the expression of 8 % 5 - 100 // 7 * 2.4 + 2 ** 3 results [-22.6] .

If **z** contains a value of 100, then, after **z** += 8 % 5 - 100 // 7 * 2.4 + 2 ** 3, **z** contains [77.4] .

**Answer 1:**

-22.6

**Answer 2:**

77.4

## Question 12

1 / 1 pts

Python string literals can be enclosed in either double or single quotation marks.

- (●) True
- ( ) False

## Question 13

1 / 1 pts

To convert a numeric variable to a string in Python, you should call the _____ function with the numeric variable as the argument.

str()

## Question 14

1 / 1 pts

Executing the Python statement print('a','c','e',sep='$$',end='%') should result _____ displayed in the output line.

a$$c$$e%

Partial

## Question 15

3 / 6 pts

mpg2.py (https://usflearn.instructure.com/courses/1658526/files/129404960/downloa download_frd=1)

Executing the Python program of the above file by entering **100** for miles and **7** for gallons should display the value of 14.2857 (must be a number with four decimal places) for Miles Per Gallon.

Assuming the above file is saved in **C:\homework**, then to execute the program of this file directly in Python 3's interactive shell, the statement you enter on the line should be python homework\n (do not include any spaces in your answer, otherwise, you will lose all credits for this blank.)

**Answer 1:**

14.2857

**Answer 2:**

python homework\mpg2.py

Quiz Score: **21** out of 30