



Python

1.3.1

The Power of Code



Whether you want to be a doc ask coding class a

5:44

1.3.2

Python Programming



Python is an easy to learn programming language that you will use throughout this course. Why should you learn Python? You will need to become familiar with basic Python to complete many of the labs in this course. In addition to this, the Python Essentials course (see the link in Student Resources) names a few factors that make Python a great tool for learning basic coding:

• It is easy to learn - the time needed to learn Python is shorter than for many other languages; this means that it's possible to start the actual programming faster.

- It is easy to use for writing new software it's often possible to write code faster when using Pvthon.
- It is easy to obtain, install and deploy Python is free, open and multiplatform; not all languages can boast that.
- If you're not familiar with any other languages, Python is great to begin with, because it will give you a solid foundation and allow you to learn other programming languages (e.g., C++, Java, or C) much easier and much faster. Learning Python is fun and trendy!

1.3.3

Lab - Python Programming Review



This Python Programming Review lab is designed to establish your level of Python expertise before you continue with the DevNet Associate course.

In this lab, you will complete the following objectives:

- Part 1: Launch the DEVASC VM
- · Part 2: Start Python and VS Code
- Part 3: Review Data Types and Variables
- Part 4: Review Lists and Dictionaries
- Part 5: Review the Input Function
- · Part 6: Review If, For, and While Functions
- Part 7: Review Methods for File Access

₽ Python Programming Review

1.3.4

Quiz - Python Review



1. A student is learning Python using the interactive interpreter mode. The student issues the commands:

What is the result?

- ['SW1', 'SW2', 'SW3']

 ['SW4', 'SW1', 'SW2', 'SW3']

 ['SW4']

 ['SW1', 'SW2', 'SW3', 'SW4']

 ['SW4', 'SW3', 'SW2', 'SW1']
- 2. A student is learning Python in the interactive interpreter mode. The student issues the commands:

```
>>> devicenames=[\"RT1\", \"RT2\", \"SW1\", \"SW2\"]
>>> devicenames[-1]
```

What is the result?

- ['RT2', 'SW1', 'SW2']
 SW2
 RT1
- an error message
- SW1
- 3. A developer needs to check the version of the running Python package. Which command should the developer use?
 - python3 -i
 - python3 -V
 - python3 -q
 - python3 --v

5.2022, 20:12		DevNet Assoc	ciate -Python	
4. A student is le command:	earning Python in the in	teractive interpreter r	mode. The student issues	the
>>> type(True)			
What is the da	ata type reported by Py	thon?		
integer				
string				
float				
Boolean				
5. Which Python	programming function	is used to display ou	tput?	
print				
) while				
o for				
if				
	Check		Show Me	
		Reset		
105				
1.3.5				
How did yo	ou do on the P	ython Progra	mming Review	Lab?
How did you do or	າ your Python Programr	ming Review Lab? If y	ou had trouble with this la	ab, we
	·	•	s course listed in the Stud	
page. You'll find a poline, and self-pa		e More Courses table	near the bottom of that p	age. It's free,
Linux			Course Introductio	n Summary
				-