


Python Level One



Brought to you by the **Business Career Hub**
TRS 2-148 | 416 - 979 - 5106

trsmcareers@ryerson.ca
www.ryerson.ca/trsmcareers

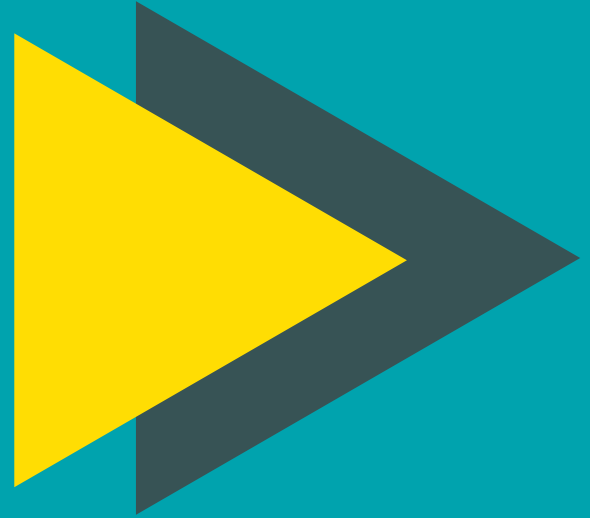
Agenda

What is Python?

Why is it useful?

Building a simple directory

What we will cover today



What is Python?

- High level programming language
- Is open source and was designed to be easy to read while also being powerful
- Python has many applications, in this series of bootcamps we will discuss how python can automate your workflows and make tasks more efficient


Building a simple directory

- In today's bootcamp we will design a playlist where we can:


- Add items
- Remove items
- Print the directory




What we will cover today

- Evaluating primitive types in python: `type()`
 - Declaring variables and variable declaration conventions: `=`
 - Math Operators and string concatenation: `(+ , - , * , /,%)`
 - IF and WHILE statements with conditional operators: `(==, >, >=, break)`
 - User input: `input()`
- 

What we will cover today (Cont'd)

- Data collections - Lists: ([], append(), insert(), del, pop(), len(), sort())
 - Data collections - Dictionaries: ({ },[], insert(), del, clear(), keys(), values())
- 
- A decorative graphic in the bottom right corner of the slide, consisting of two parallel diagonal stripes. The top stripe is teal and the bottom stripe is yellow, both extending from the bottom left towards the top right.

What we will cover today (Cont'd)

- Declaring custom functions: `def`, `return`
 - Classes and object oriented programming: `class()`, `__init__()`, `methods`
 - Automating with FOR loops: `for`, `in`
 - Use Case: Directory program
- 



Let's get
started

Brought to you by the **Business Career Hub**
TRS 2-148 | 416 - 979 - 5106
trsmcareers@ryerson.ca
www.ryerson.ca/trsmcareers