

# PYTHON ESSENTIAL-B BIGGINERS LEVEL

Sessions : 10 × 2 hours

Prerequisite : No

Time: Fall 2020

Instructor : Pedram Agand

Profile : PhD student Computer Science Simon Fraser University



## Agenda:

Topic	Description	Session
Installation	Install Python and IDE on Windows, MAC, Ubuntu	Session 1
Getting Started	Hello world, Print, Run, debug, console	Session 2
Anatomy	Comments and white space, interpreter	Session 3
Types	String, Boolean, Sequence, int	Session 4
Condition	Syntax, Conditional Operator and assignment	Session 5
Operator	Arithmetic, comparison, operator	Session 6
Loops 1	Concept, For loop	Session 7
Loops 2	While loop, additional controls	Session 8
Function 1	Definition and arguments	Session 9
Function 2	Return value and generator	Session 10

## FAQ:

### For whom this workshop is suitable for?

For anyone who is interested to start programming Python even if there is no experience of any language programming before.

### How does this program work?

There are 10 online sessions through Zoom application, that you will learn to start coding python in an interactive manner with biweekly assignments.

### What do you need to start?

To start, you just need a computer (PC or laptop) with any Operating system and an internet access. The class would cover the process of installing and starting from scratch.

### What are you expect to do after this program?

After this program, it is expected that you learn basic understanding of programming language and Python script and ready to enrol in more advanced program.