

# Lecture 8

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- Python Basics
  - Ubuntu: 1. Ctrl + Alt + T
  - 2. python3
- Use exit() or Ctrl-D (i.e. EOF) to exit
  - Interrupt Execution: Ctrl + C (KeyboardInterrupt)

# Basics

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- To check a variable's type: `usage: type()`
- View python's builtin functions:  
`dir(__builtins__)`

To find help: use:  
`help()`

# String

- `a='today'`
- example: `a[0]`, `a[3]`, `a[-1]`, `a[:3]`, `a[2:4]`, `a[-2:]`, `a + 'another string'`, `a*3`
- `len()`

# list

- Example: `a_list = [1,2,3,4,5], a_list[0], a_list[2:4], a_list[-2], a_list+[1,2,3], a_list.append(100)`

- `len()`