



The word "Stem" is written in a white, sans-serif font. The letter 'e' is replaced by a stylized yellow and orange circular graphic that resembles a lightbulb or a circuit component. The background is a dark blue circuit board with glowing yellow and orange lines.

**N**

# Welcome to Python 101!

## Week 1

# GITHUB SETUP

NIAGroup / Python-101-2019

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35 commits 7 branches 0 releases 5 contributors

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fsjames Created Pycharm\_Setup cheatsheet Latest commit 07fb81b 2 days ago

Week1	Merge pull request #2 from NIAGroup/cha_branch	7 days ago
Week2	Create test.txt	17 days ago
Week3	Create test.txt	17 days ago
Week4	Create test.txt	17 days ago
Week5	Create test.txt	17 days ago
Week6	Create test.txt	17 days ago
GitHub_Setup	Update GitHub_Setup	7 days ago
PyCharm_Setup	Created Pycharm_Setup cheatsheet	2 days ago
README.md	Update README.md	16 days ago
test.txt	test	7 days ago

README.md

## Python 101 Series: 6 Weeks Course Outline

Proposed Class Time: Fridays 4:00PM - 5:00PM

Course: (<https://www.jetbrains.com/pycharm-edu/learners/>)

Download Pycharm Community IDE: (<https://www.jetbrains.com/pycharm/download/#section=windows>)

# GITHUB SETUP

## Steps

1. Sign-Up for a GitHub Account
  - <https://github.com>
2. Go to: <https://github.com/NIAGroup/Python-101-2019>
  - Watch Repository
3. Download GitBash
  - <https://git-scm.com/download/win>
  - Recommended: 32bit version
  - Choose all default settings
4. Clone Repository:
  - Open Git-Bash.
  - Give "git config --global http.proxy http://10.7.211.16:911"

# GITHUB SETUP

## Steps

### 4. Clone Repository:

- Write "git clone <https://github.com/NIAGroup/Python-101-2019.git>"
- ls - lists all files in your directory
- cd Python-101-2019
- cd Week1

### 5. Create a Branch of the repository:

- git checkout -b <branch name>

### 6. Create a Directory and a text file called "foo.txt" in this directory

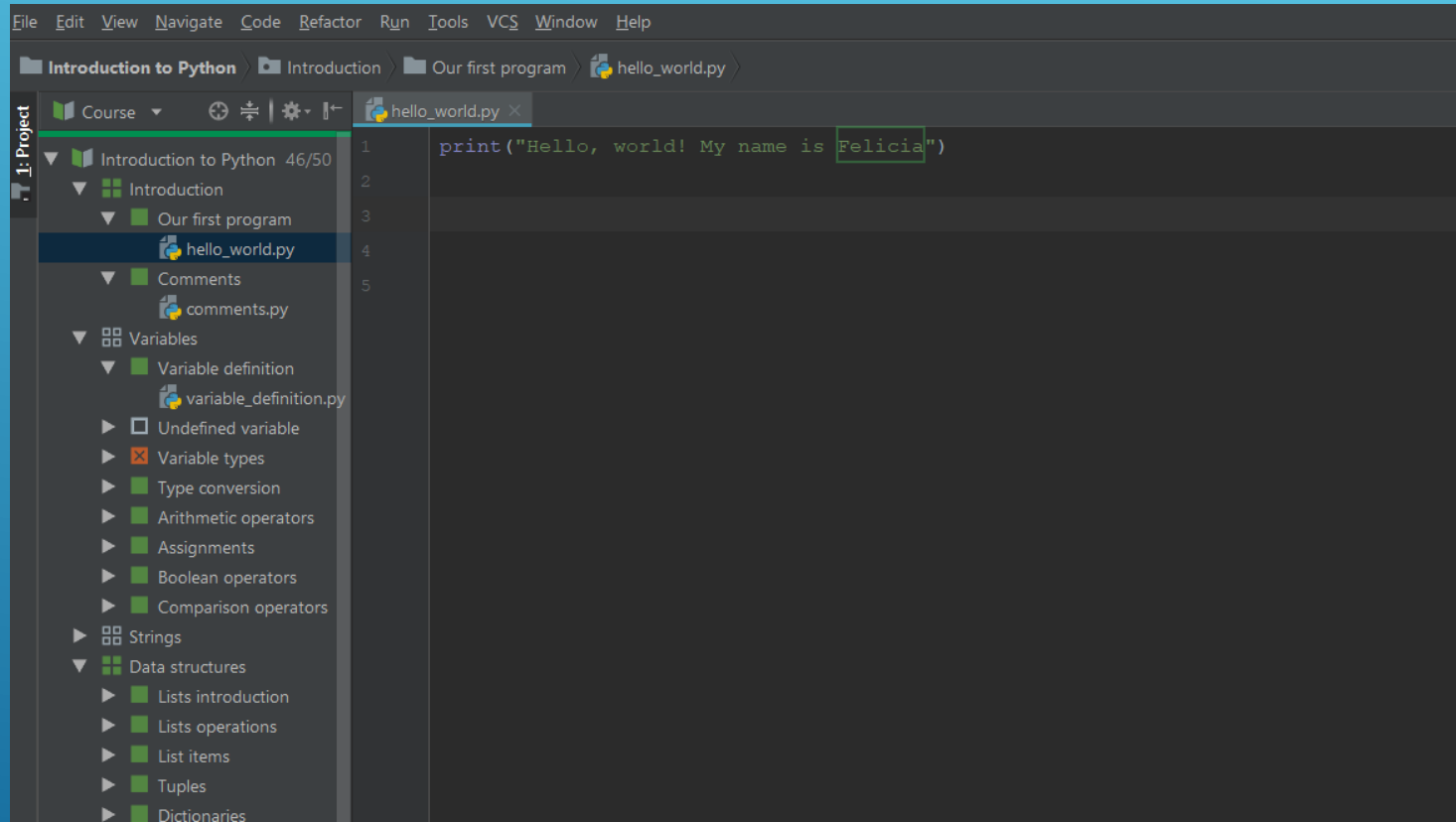
- mkdir <your name>
- cd <your name>
- touch foo.txt

# GITHUB SETUP

## Steps

6. Create a Directory and a text file called "foo.txt" in this directory
  - ls (you should see foo.txt, your created file)
  - git add . (stages your file)
  - git commit -m "Comment describing what change you performed"
  - git push origin <branch name>
7. You have now added a change to your branch!
8. Create a pull request.

# PYCHARM SETUP





# PYCHARM SETUP

## Steps

### 1. Download Python 3.6.5

- Note: We highly recommend you use this version of Python however if you have an older version installed that is fine but there may be slight differences in syntax
- <https://www.python.org/downloads/release/python-365/> (Windows x86 executable installer)

### 2. Download PyCharm Community

- <https://www.jetbrains.com/pycharm/download/#section=windows>

### 3. In "PyCharm Community Edition Setup" window:

- In "Installation Options" window:
  - Under "Create Desktop shortcut" select "32-bit launcher"



# PYCHARM SETUP

## Steps

3. In "PyCharm Community Edition Setup" window:
  - Under "Create associations" select ".py"
  - Install PyCharm
  - Under "Completing the PyCharm Community Edition Setup Wizard" select "Run PyCharm Community Edition" and click "Finish"
4. In "Complete Installation" window:
  - Select "I do not have a previous version of PyCharm or I do not want to import my settings"
5. In "Welcome to PyCharm Community Edition" window:
  - Configure --> Settings --> Project Interpreter --> Project Interpreter dropdown menu --> select path to "python.exe" file --> Ok

# PYCHARM SETUP

## Steps

### 6. Create a New Project

- Create New Project --> Location --> create project named "Python 101"

### 7. In top toolbar menu

- File --> Settings --> Appearance and Behavior --> System Settings --> HTTP Proxy --> Select Auto-detect proxy setting
- File --> Settings --> Plugins --> Search EduTools --> Install JetBrains plugin
- File --> Browse Courses --> Click Log in to Stepik --> Create Stepik Account --> Introduction to Python (note: make sure Instructor is "JetBrains") --> Join

# RESOURCES

## GitHub Interactive Tutorial

- <https://learngitbranching.js.org/>

## Getting Started with Pycharm

- <https://www.youtube.com/watch?v=BPC-bGdBSM8&list=PLQ176FUlyIUZ1mwB-ulmQE-gmkwzjNLjP>

