Introduction to Python

DeltaWomen - UNOV
2019-06-14

Class details

- Class time: **Fridays 5pm - 7pm (GMT+1)**
  - Lecture: 5pm - 6:15pm
  - Q&A: 6:15pm - 7:00pm
- Instructor details:
  - Name: Aslamah
  - Contact: **arahman.vol@gmail.com**
- All course material will be available on GitHub
  - **https://github.com/aslamahrahman/Python-UNOV-2019**
- Weekly assignments:
  - Due every **Wednesday 11pm (GMT+1)**
  - Email to arahman.vol@gmail.com

Questions?

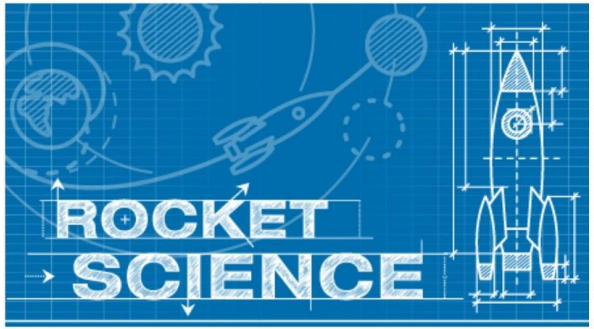
- Email to arahman.vol@gmail.com by the end of lecture:
  - Name
  - Age
  - What do you do?
  - Have you taken computer programming classes before?
  - Have you taken Python classes before?
  - What do you want to build with Python?
  - Any thoughts/feedback?
- Any questions for me?
- Please mute mic during lecture
- Questions during lecture: Post on Telegram (Last 45 minutes for answering questions)

Python Programming Language

What is Python?

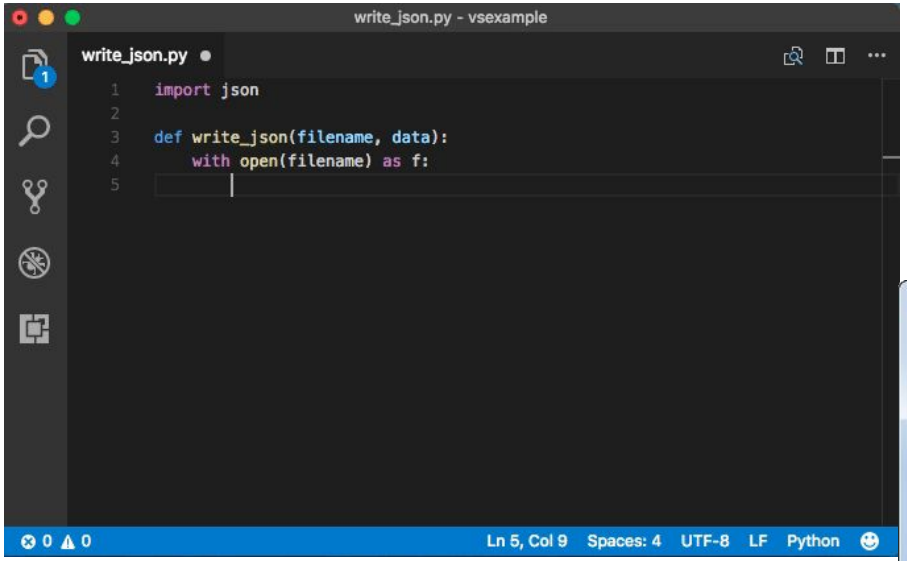
- Programming language: Instructions for a computer to do a task
- Widely used
  - Google search engine (www.google.com)
  - YouTube (www.youtube.com)
  - Instagram
  - And many more...
- Very easy to read & understand
- General purpose = So many different applications!

What can you do with Python?



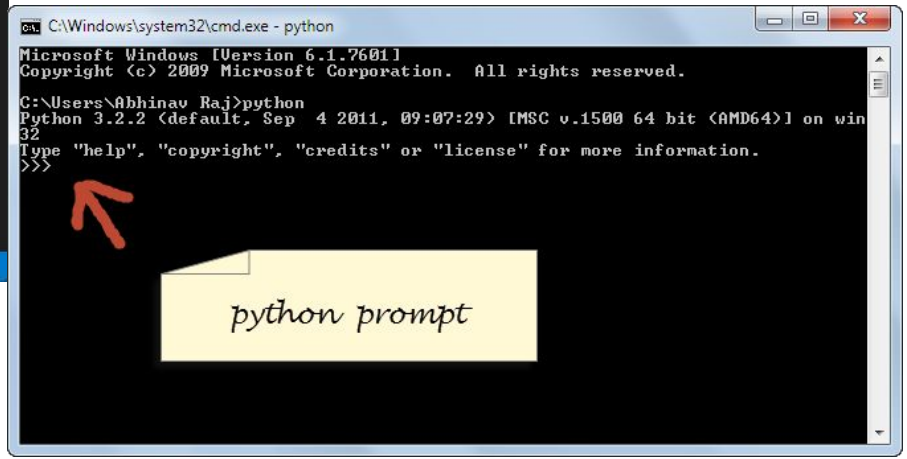
And much much more...

What do you need to program in Python?



<< **Editor** (IDE): To write Python code

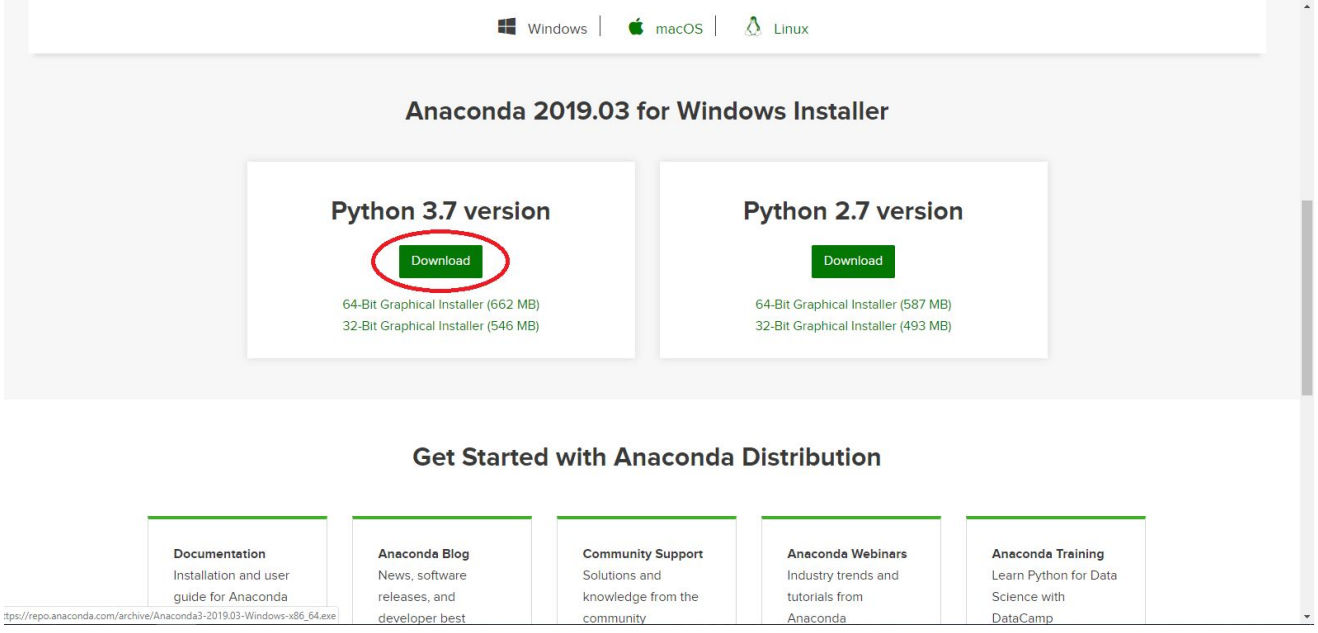
Command Prompt: To run the code >>



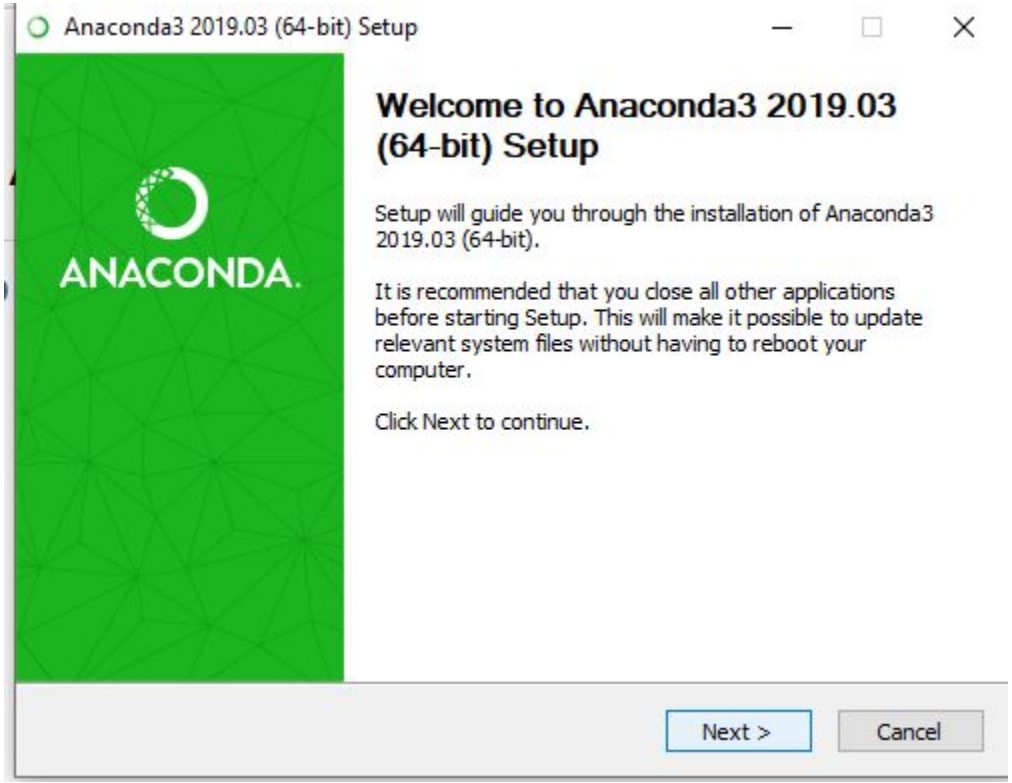
Installation & Set Up

Windows - Anaconda (Python) software

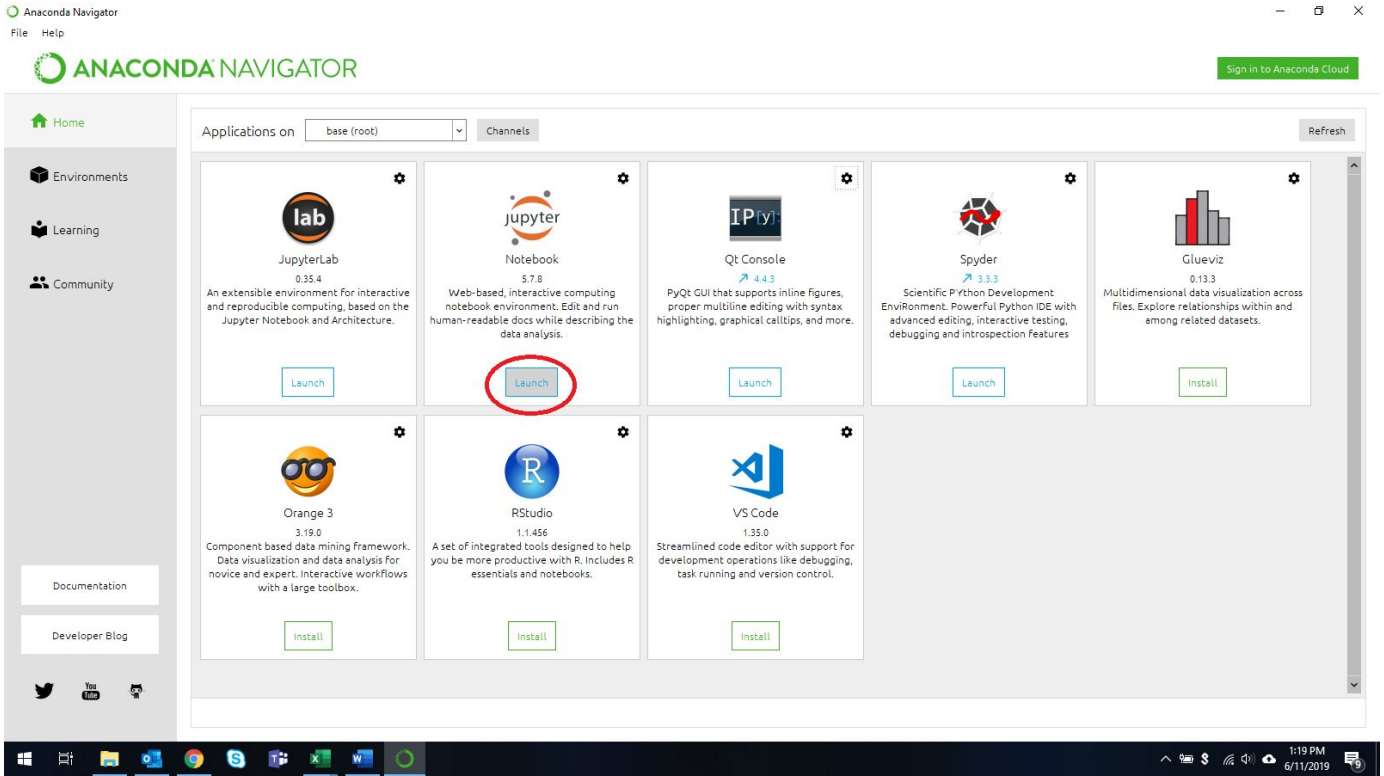
- Go to https://www.anaconda.com/distribution/#download-section
- Or Google “Anaconda Python Windows installation”
- Download “Python 3.7” for Windows



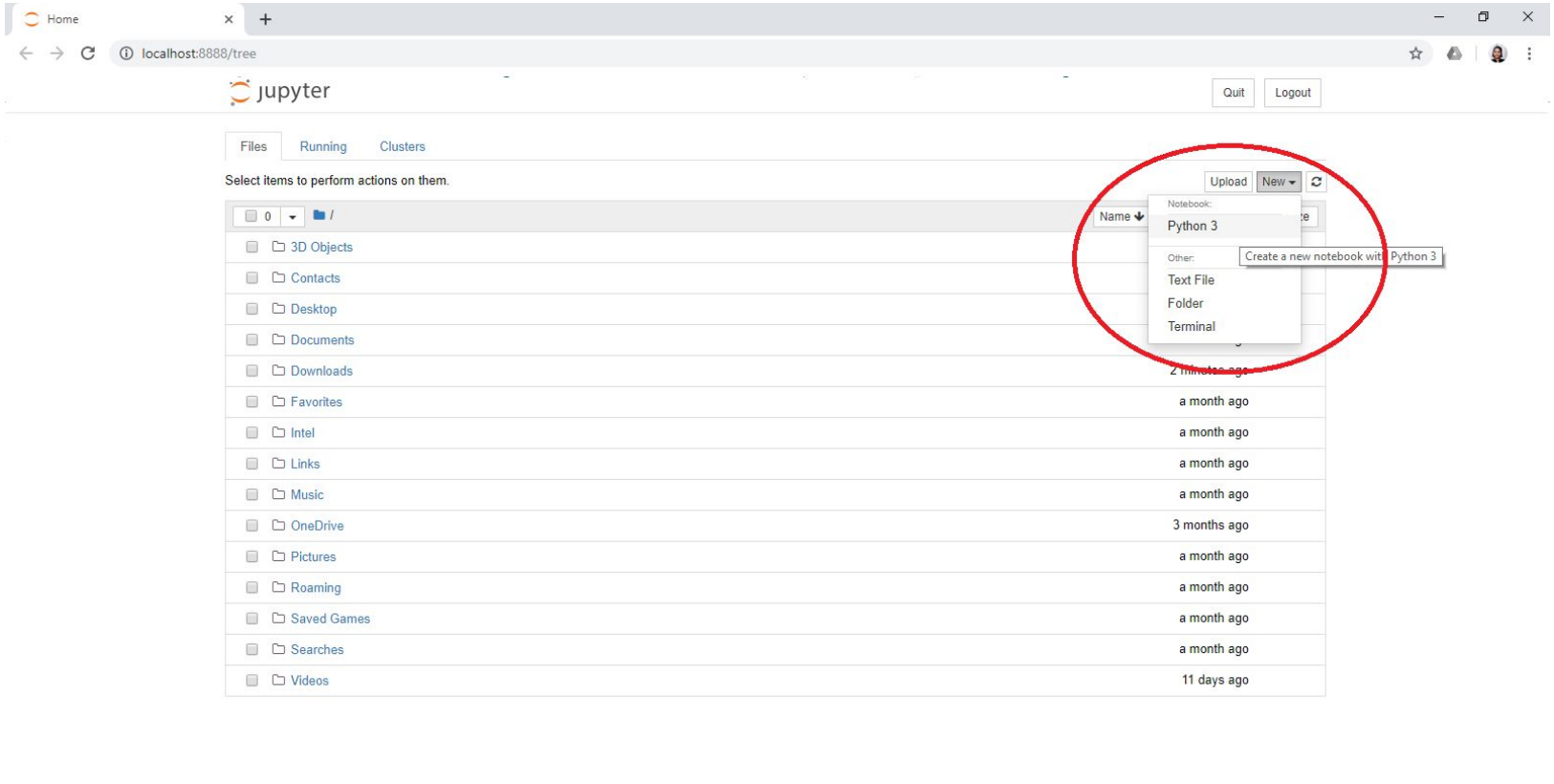
Run Anaconda installation



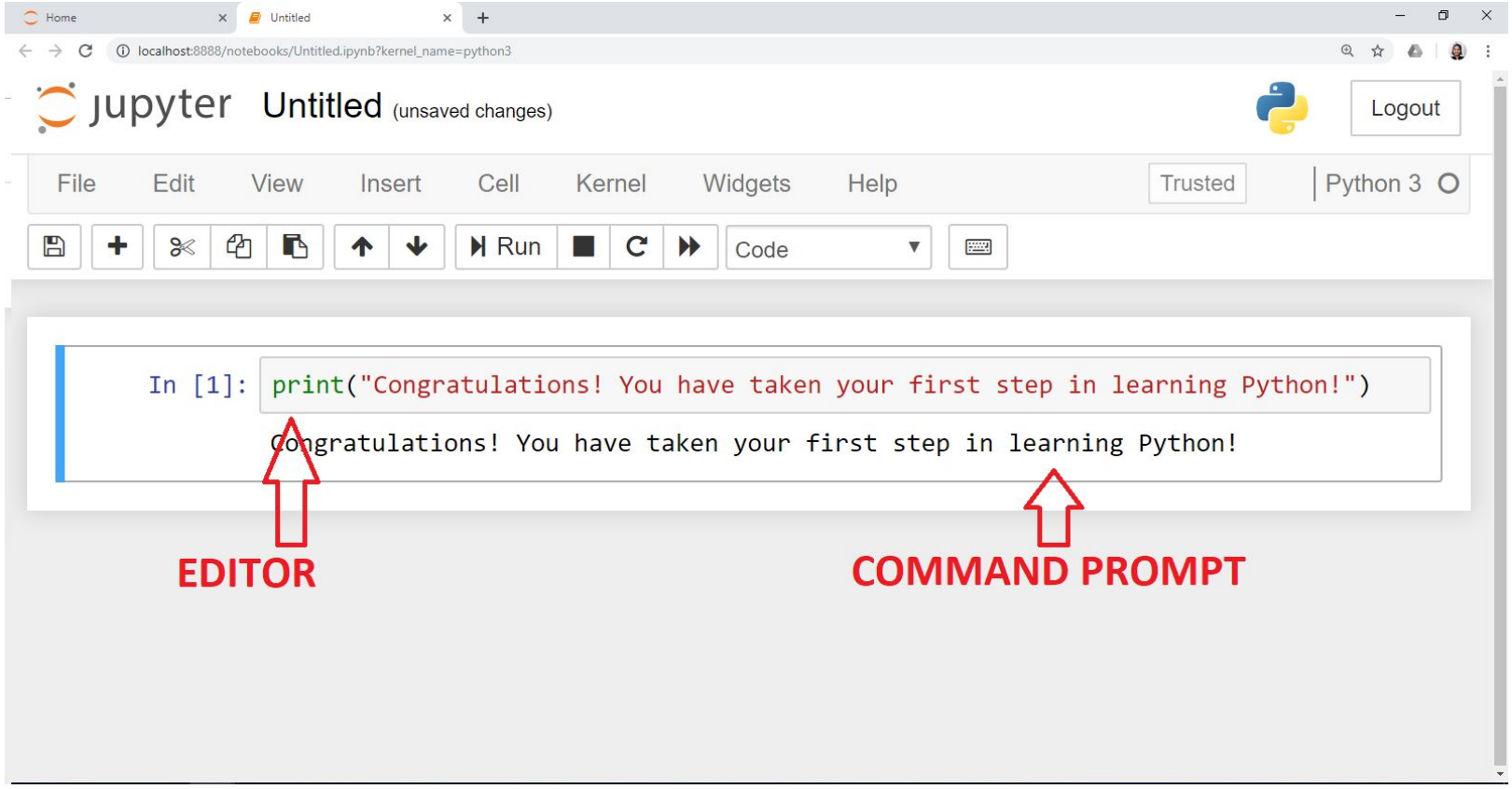
Open “Anaconda Navigator” & Launch “Jupyter Notebook”



Create new Jupyter Notebook



Code!


Home
Untitled
localhost:8888/notebooks/Untitled.ipynb?kernel_name=python3
jupyter
Untitled
(unsaved changes)
Logout
File
Edit
View
Insert
Cell
Kernel
Widgets
Help
Trusted
Python 3
Run
Code
In [1]:
print("Congratulations! You have taken your first step in learning Python!")
Congratulations! You have taken your first step in learning Python!
EDITOR
COMMAND PROMPT

Sample Program

- Writing a program
- Tabs & spaces
- How execution works

Have questions on any programming related stuff?

www.google.com

www.stackoverflow.com

Questions/Feedback?

Assignment due next **Wednesday 19 June 2019**

- Go to https://github.com/aslamahrahman/Python-UNOV-2019/blob/master/Assignments/Assignment-20190614-W1.pdf
- 2 questions + 1 optional question
- Email all answers to arahman.vol@gmail.com
- Title of email should be "**Python assignment: (Week number), (Name)**"
- Make sure to mention your **name** in the email
- Submit by **19 June 2019, 11pm (GMT+1)**
- Let me know as soon as possible if you have trouble seeing the assignment