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How Does That Work?

IDEs and PyCharm



IDE – Integrated Development Environment

- A software application that helps you develop code efficiently
- For a plain Python executable file, you could use a text editor (such as notepad), but an IDE will include highlighting rules for the language syntax, can help you debug errors, and help refactor/complete your code.
- Some IDEs we know:











PyCharm



- Community edition is free, but will give you read-only to notebooks (.ipynb)! But will work properly with Python (.py) extension files
- Can get Professional PyCharm with UofT email need to get form approved (or a 30 day trial without this)
 - Apply for the student license to get PyCharm here (Apply Now): https://www.jetbrains.com/community/education/#students
- Download from JetBrains: https://www.jetbrains.com/pycharm/



The Anatomy of a Python File (.py) PyCharm

utorial 1) 🐔 tutorial1.py import math tutorial1.py > Illi External Libraries File explorer Scratches and Consoles Your code! def cat_class(name, age, food): return "{} is {} old, they love {}".format(*args: name, age, food) #aname : cat_class(name: "Tisha", cat_age, food = 'pistachios') Console (run /usr/local/bin/python3.9 /Users/ekaterinaossetchkina/Documents/Tutorial 1/tutorial1.py results) Hello and welcome to CME538! Traceback (most recent call last): cat_class("Tisha", cat_age, food = 'pistachios') Process finished with exit code 1 Python version 🖞 Version Control 🕨 Run 🏻 TODO 🚯 Problems 🔀 Terminal 📚 Python Packages 🥏 Python Console 💽 Services (or virtual environment*)

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Demo.