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```python
# parent class

class person():
    def __init__(self, name, g
        self.name = name
        self.gender = gender
        self.age = age
        self.origin = origin
        self.phone = phone

    def info_func(self):
        print(f'This is {self.                    s old.')

        if self.gender == 'mal
            print(f'He is from                    is {self.phone}.')
        else:
            print(f'She is fro                    is {self.phone}.')

# child class
class student(person):
    pass

student1 = student('John', 'male', 21, 'Germany', 55788999)
```

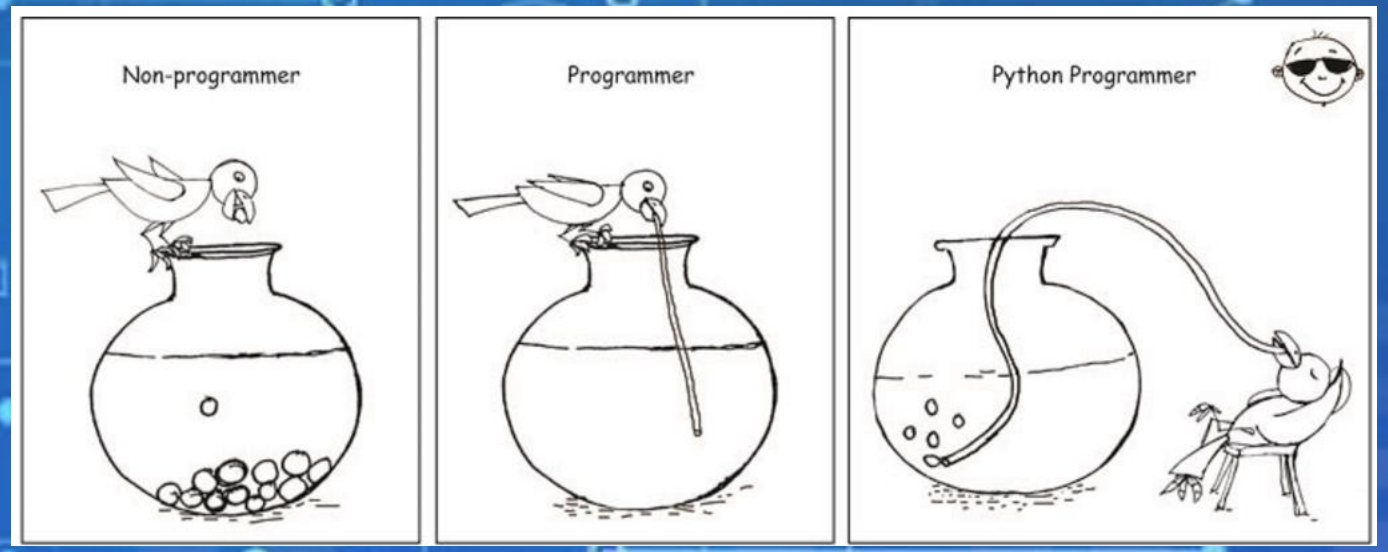
Welcome to the Introductionthis of this Course:

Master Python Programming Essentials

the Easy and Fast Way using Daily Life Examples

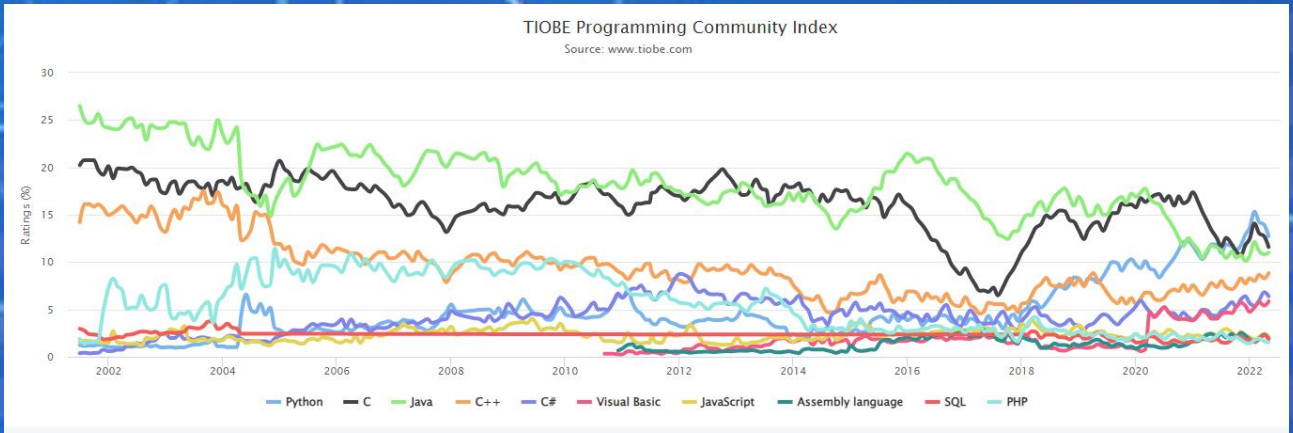
Instructor: Shouke Wei, Prof. Ph.D.

Why Python



- one of the most popular and easiest programming languages
- ideal language for scientific computing, data analysis and machine learning
- a lot of prebuilt libraries for almost every aspect of computer projects, such as
  - ✓ App Development
  - ✓ Web Development
  - ✓ Data Analysis and Visualization
  - ✓ Machine Learning
  - ✓ Computer Vision and
  - ✓ Much more

May 2022	May 2021	Change	Programming Language	Ratings	Change
1	2	↑	Python	12.74%	+0.86%
2	1	↓	C	11.59%	-1.80%
3	3		Java	10.99%	-0.74%
4	4		C++	8.83%	+1.01%
5	5		C#	6.39%	+1.98%
6	6		Visual Basic	5.86%	+1.85%
7	7		JavaScript	2.12%	-0.33%
8	8		Assembly language	1.92%	-0.51%
9	10	↑	SQL	1.87%	+0.16%
10	9	↓	PHP	1.52%	-0.34%
11	17	⇈	Delphi/Object Pascal	1.42%	+0.22%
12	18	⇈	Swift	1.23%	+0.08%

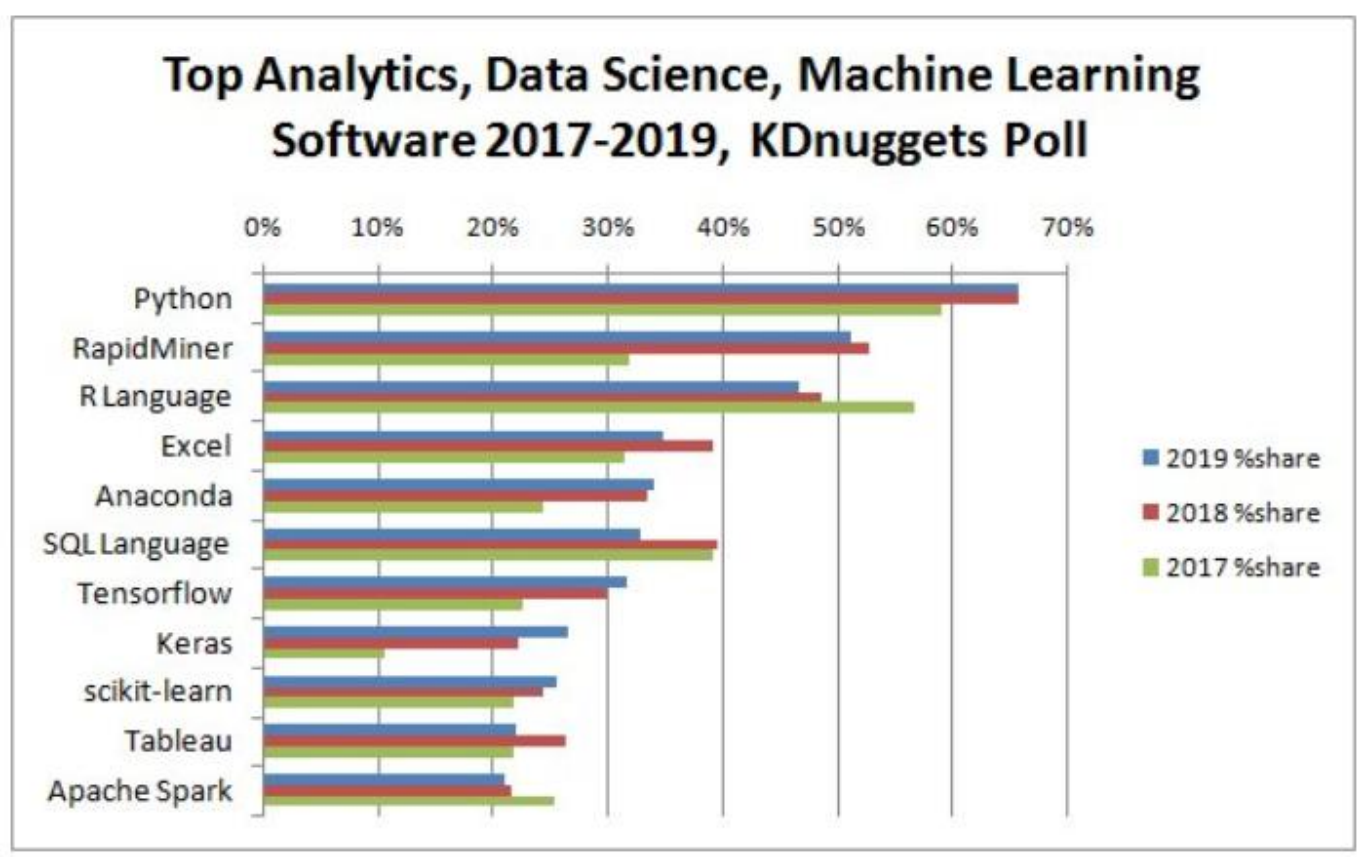


TIOBE Index:

Python has overpassed Java and C and become the most popular programming language of today since October 2021.

Source: https://www.tiobe.com/tiobe-index/

Python leads the top Data Science platforms



source: https://www.kdnuggets.com

Top Programming Languages 2021

Rank	Language	Type	Score
1	Python		100.0
2	Java		95.4
3	C		94.7
4	C++		92.4
5	JavaScript		88.1
6	C#		82.4
7	R		81.7
8	Go		77.7
9	HTML		75.4
10	Swift		70.4

source: https://spectrum.ieee.org

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Thank you!
See you in the next leture:
Setup Python Environment