Basic Level Programming Education with Python

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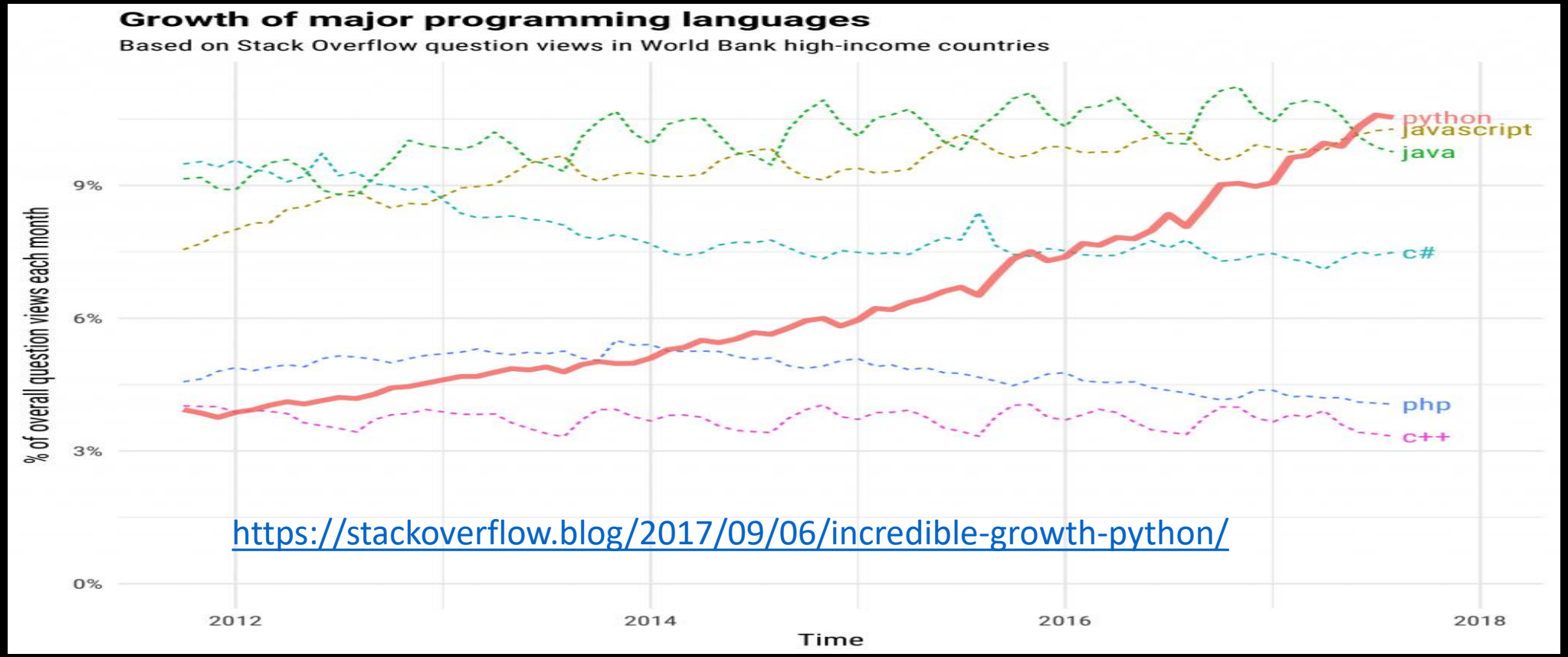
Online Python Education

Why python ?



https://stackoverflow.blog/2017/09/06/incredible-growth-python/

Why Python ?

- It is an easy language.
- It can be read clearly.
- It has a dynamic data structure.
- Strong expression ability
- modular structure
- extensive libraries
- Convenient for OOP

Why Not Python?

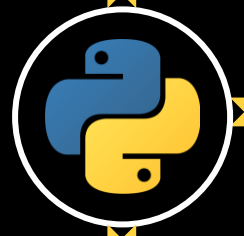
- RAM and processor usage is not economic!!!
- It consumes a lot of energy compared to other programming languages.
- Link

	Energy
(c) C	1.00
(c) Rust	1.03
(c) C++	1.34
(c) Ada	1.70
(v) Java	1.98
(c) Pascal	2.14
(c) Chapel	2.18
(v) Lisp	2.27
(c) Ocaml	2.40
(c) Fortran	2.52
(c) Swift	2.79
(c) Haskell	3.10
(v) C#	3.14
(c) Go	3.23
(i) Dart	3.83
(v) F#	4.13
(i) JavaScript	4.45
(v) Racket	7.91
(i) TypeScript	21.50
(i) Hack	24.02
(i) PHP	29.30
(v) Erlang	42.23
(i) Lua	45.98
(i) Jruby	46.54
(i) Ruby	69.91
(i) Python	75.88
(i) Perl	79.58

Python Used?

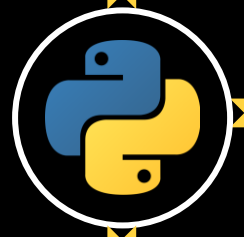
- Web development- Django
- Interface development
- Network and socket programming
- Spider type software - Scrapy
- ML and AI- Pandas,Numpy,Keras

What will this course give you?



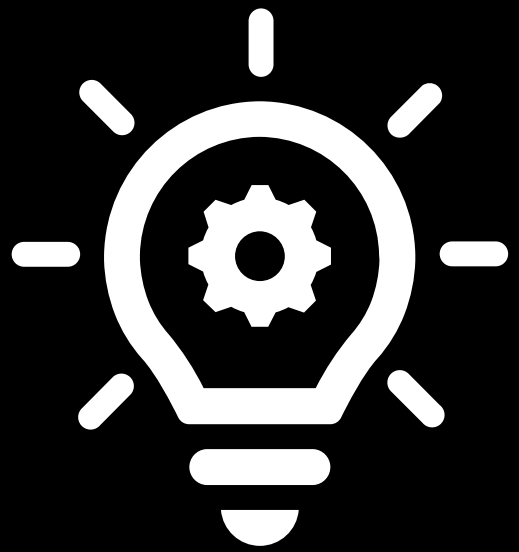
- You will learn the basics of programming.
- Python- based programming.
- Your code reading skills will improve.
- Since you have learned the basics of object-oriented programming, you will easily learn languages such as C# and asp.net.
- Machine learning , Artificial You will be able to work in areas such as Intelligence .
- ' I know Python ' to your CV .

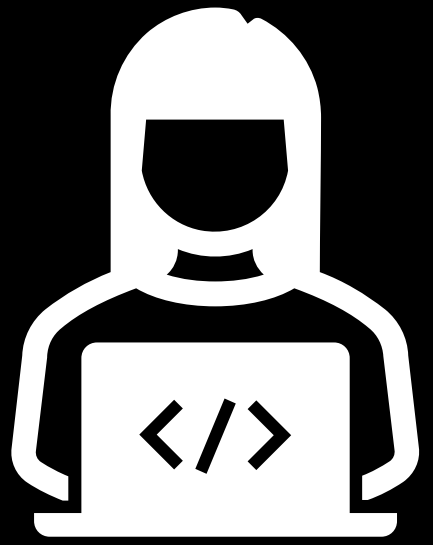
What Will We Learn?



- Introduction to Python
- Types and Variables
- Basic Expressions
- Functions
- Working with Files
- Exceptions
- Modules and Packages
- Classes

Our Expectations from You

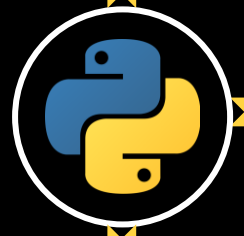




How Should I Study?

- Review the documents presented to you before class.
- After the lesson is over, do the topics covered in the lesson yourself.
- Do the homework and projects assigned to you after class.
- Try to put everything that comes to your mind into code

How Should I Study?



- Improve your algorithm skills.
- Subscribe to repos such as Github , Gitlab .
- Increase your math knowledge. Coding = Math!
- Be sure to ask questions about things you don't understand in class, but do research on the internet when you can't do anything while studying on your own. Challenge yourself. If you can't find any solution then ask.