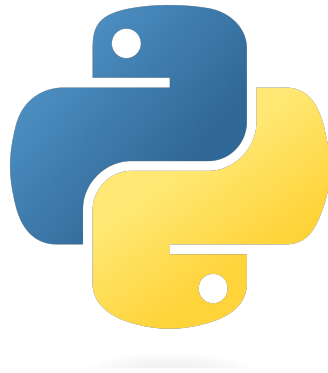# Python ! Python ! Python !

Nima uchun PYTHON ?

Darsdan maqsad :

1. ' IT ' : Talab, Taklif va O'rganish

2. Dasturlash Tillari (PYTHON) o'zi nima ?

3. Nima uchun ' PYTHON ' ni o'rganish kerak ?

4. NEURONS ' PYTHON ' darslik rejasi

5. Qo'shimcha topshiriq !!!

1. ' IT ' : Talab, Taklif va O'rganish

Talab :

- Ingliz tili (Elementary darajada)
- Matematika boshlang'ich darajada
- Xohish yuqori darajada (yuqori darajada)

Taklif :

- Doimiy ravishda darslarni ketma ketlik bilan kuzatib borish
- Yaxshi bilim va daromad

O'rganish :

- Qo'shimcha mashg'ulotlarni bajarish va doimiy shug'ullanish

1. ' IT ' : Talab, Taklif va O'rganish
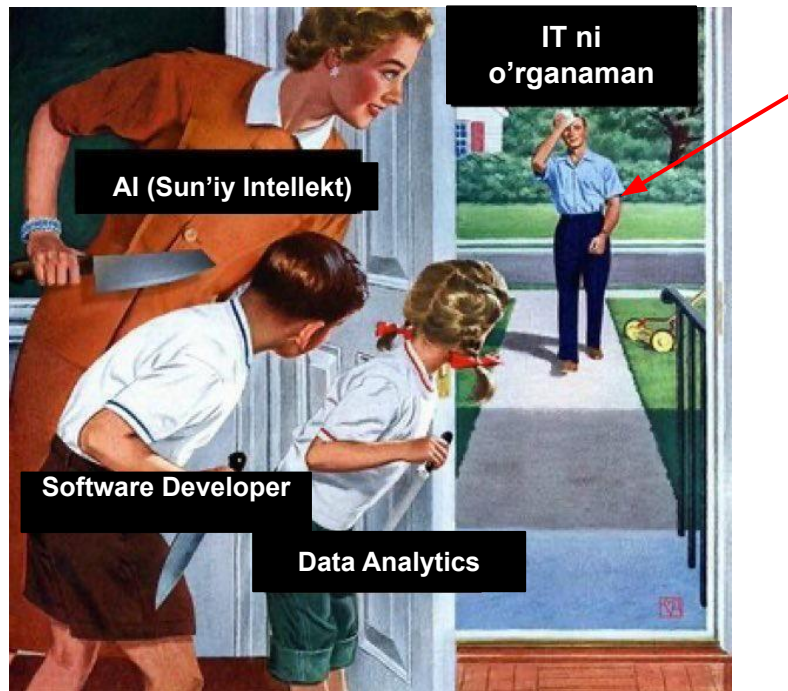
60 dan ortiq IT ish turlari

- Computer systems manager
- Network architect
- Systems analyst
- IT coordinator
- Network administrator
- Network engineer
- Service desk analyst
- System administrator (also known as sysadmin)
- Wireless network engineer
- Database administrator
- Database analyst
- Data quality manager
- . . . .

https://www.aha.io/roadmapping/guide/information-technology/it-job-titles

Link orqalik yanada batafsil o'qib chiqing

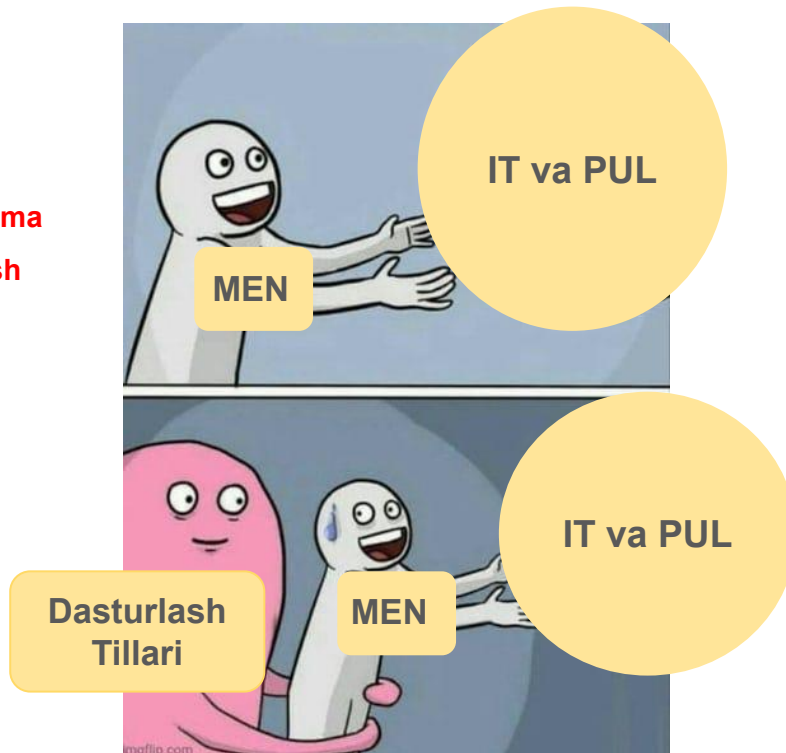# 1. ' IT ' : Talab, Taklif va O'rganish

Bu siz (2023)

https://www.linkedin.com/pulse/hottest-job-trends-watch-2023-comprehensive-guide-getworknow/

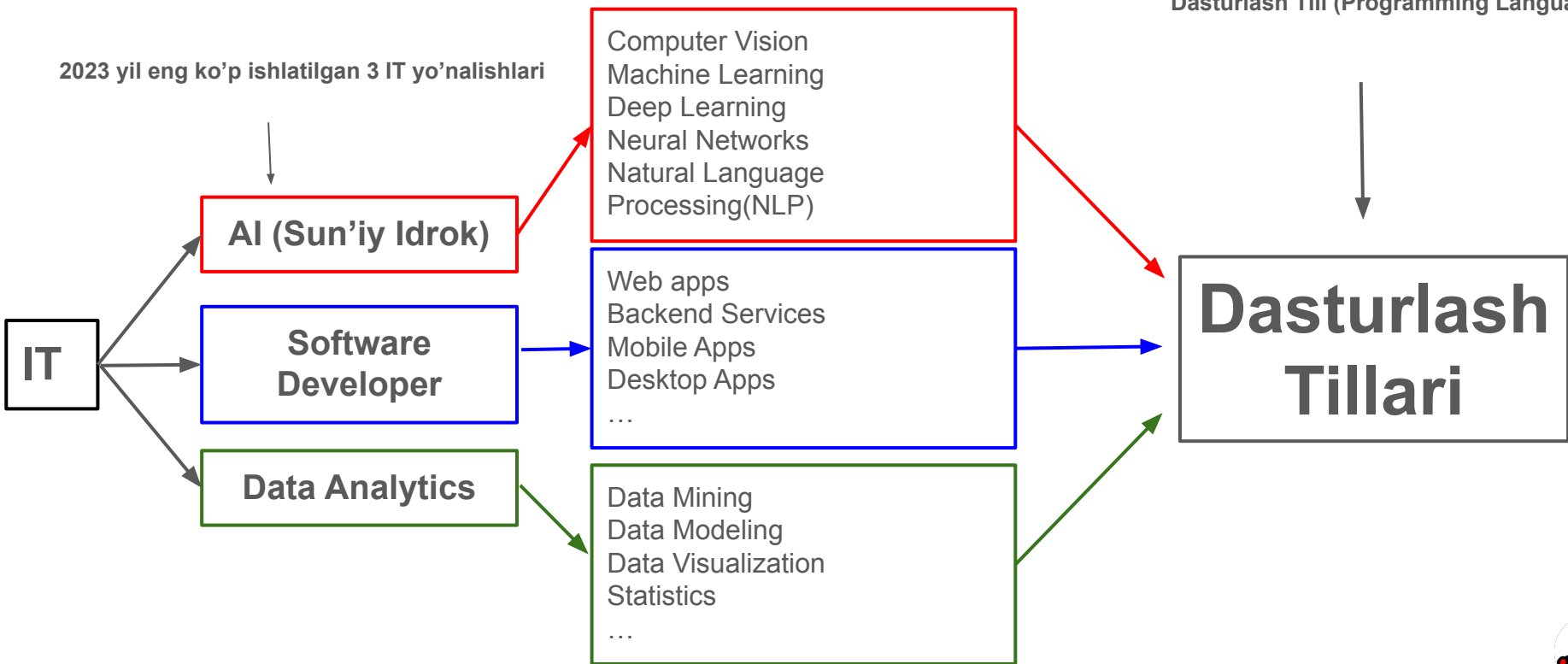# 1. ' IT ' : Talab, Taklif va O'rganish

Muamo : O'zi dasturlash tili nima? Va nima uchun IT ni tog'ri dasturlash tilini tanlash orqalik boshlash kerak?

2. Dasturlash tillari (Python) o'zi nima?

2023 yil eng ko'p ishlatilgan 3 IT yo'nalishlari

Dasturlash Tili (Programming Language)

```
IT → AI (Sun'iy Idrok)
   → Software Developer
   → Data Analytics
```

AI (Sun'iy Idrok) →
Computer Vision
Machine Learning
Deep Learning
Neural Networks
Natural Language
Processing(NLP)

Software Developer →
Web apps
Backend Services
Mobile Apps
Desktop Apps
…

Data Analytics →
Data Mining
Data Modeling
Data Visualization
Statistics
…

→ **Dasturlash Tillari**

3. Nima uchun ' PYTHON ' ni o'rganish kerak ?

PYPL PopularitY of Programming Language (Dasturlash tillarining mashxurligi)

Worldwide, Jan 2024 :

Rank	Change	Language	Share	1-year trend
1		Python	28.2 %	+0.5 %
2		Java	15.73 %	-0.9 %
3		JavaScript	8.91 %	-0.6 %
4	↑	C/C++	6.8 %	-0.0 %
5	↓	C#	6.67 %	-0.3 %
6	↑	R	4.59 %	+0.6 %
7	↓	PHP	4.54 %	-0.7 %
8		TypeScript	2.92 %	+0.2 %
9		Swift	2.77 %	+0.6 %
10		Objective-C	2.34 %	+0.2 %

Ko'proq statistikani ko'rish ⟶ *https://pypl.github.io/PYPL.html*

3. Nima uchun ' PYTHON ' ni o'rganish kerak ?

PYTHON nima sababdan bunchalik eng ko'p IT dasturchilari foydalanadigan Dasturlash tili hisoblanadi?

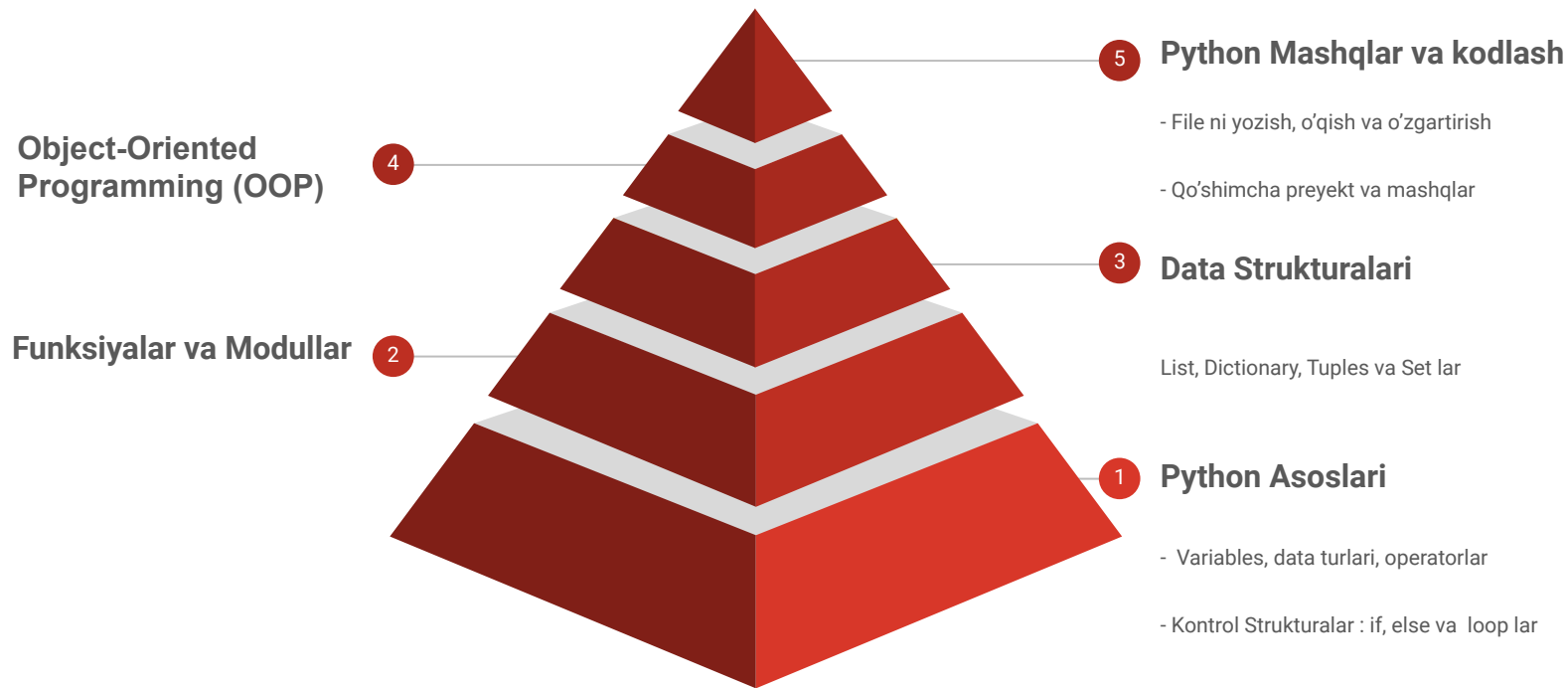Quyidagi link ni bosing va o'qib chiqing :

TOP10 Sabablar : *https://www.simplilearn.com/tutorials/python-tutorial/why-learn-python*

Link ni bosing va PYTHON nima sababdan mashxur dasturlash tili ekanligini o'qib chiqing. Link orqalik o'tilgan site ingliz tilida. Iltimos 'Google Extensions dan Google Translate ni tortib oling va saytni o'zbek tiliga tarjima qilib o'qing.'

4. NEURONS ' PYTHON ' darslik rejasi ?

5 **Python Mashqlar va kodlash**

- File ni yozish, o'qish va o'zgartirish

- Qo'shimcha preyekt va mashqlar

4 Object-Oriented Programming (OOP)

3 **Data Strukturalari**

List, Dictionary, Tuples va Set lar

Funksiyalar va Modullar **2**

1 **Python Asoslari**

- Variables, data turlari, operatorlar

- Kontrol Strukturalar : if, else va loop lar

5. Qo'shimcha topshiriq !!!

- Quyidagi link dagi site ni O'zbek tiliga o'giring (yoki English) va Python o'zi nima degan savolga yanada yaxshiroq javob olib chiqing.

  LINK : *https://www.w3schools.com/python/python_intro.asp*

- Quyidagi link dagi site ni O'zbek tiliga o'giring (yoki English) va Python o'zi nima uchun kerak va mashxur degan savolga yanada yaxshiroq javob oling.
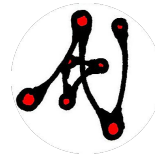
  LINK : *https://www.simplilearn.com/tutorials/python-tutorial/why-learn-python*

- Quyidagi link orqalik 'Google Translate' extension ni Chrome ga o'rnating va saytlarni turli xil tillarga o'girishni test qilib ko'ring (Agarda Ingliz tilini bilsangz har bir saytni bemalol ishlatishingiz mumkin).

  LINK : *https://chromewebstore.google.com/detail/google-translate/aapbdbdomjkkjkaonfhkkikfgjllcleb*

- ILTIMOS VIDEO VA DARSLIKLARNI TARTIB BILAN KO'RING !!!

NEURONS

Raxmat

YouTube : www.youtube.com/@NEURONS-UZ

Website : https://zero-suger.github.io/Neurons/

GitHub Link : https://github.com/orgs/https-github-com-zero-suger/repositories

Telegram : https://t.me/NEURONS199816

Gmail : uacoding01@gmail.com