



1-dars

**Dasturlashga kirish.
Python dasturlash tili.**

Dars rejasi:

- **Tanishuv qismi.**
- **Dastur o'zi nima?**
- **Algoritm**
- **Data structure**
- **Hammasi Python haqida!!**
- **PyCharmni o'rnatamiz**
- **Built-in(tayyor, qurilgan) funksiyalar**
- **Birinchi dasturimiz. Komment yozish**
- **Xatolar**

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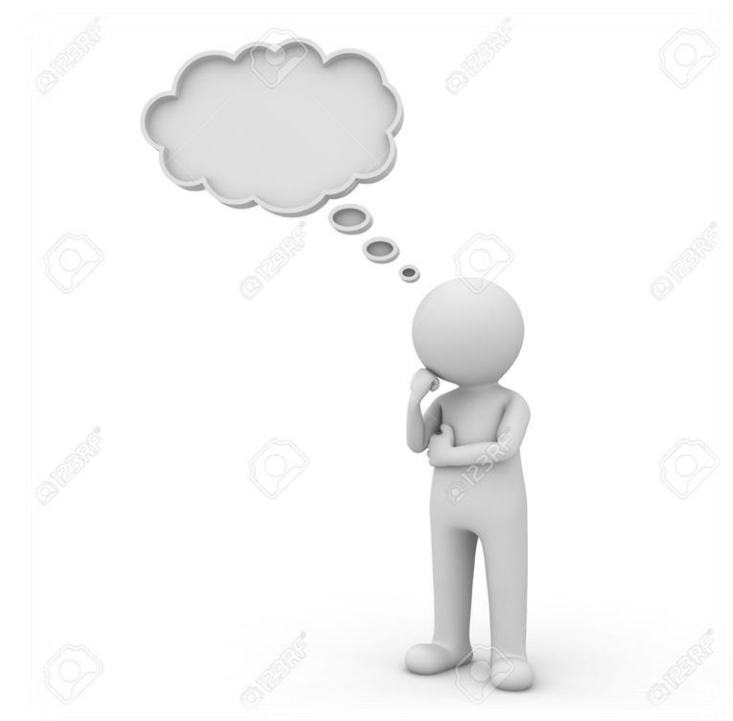
Dastur o'zi nima?



Algoritm

Algoritm

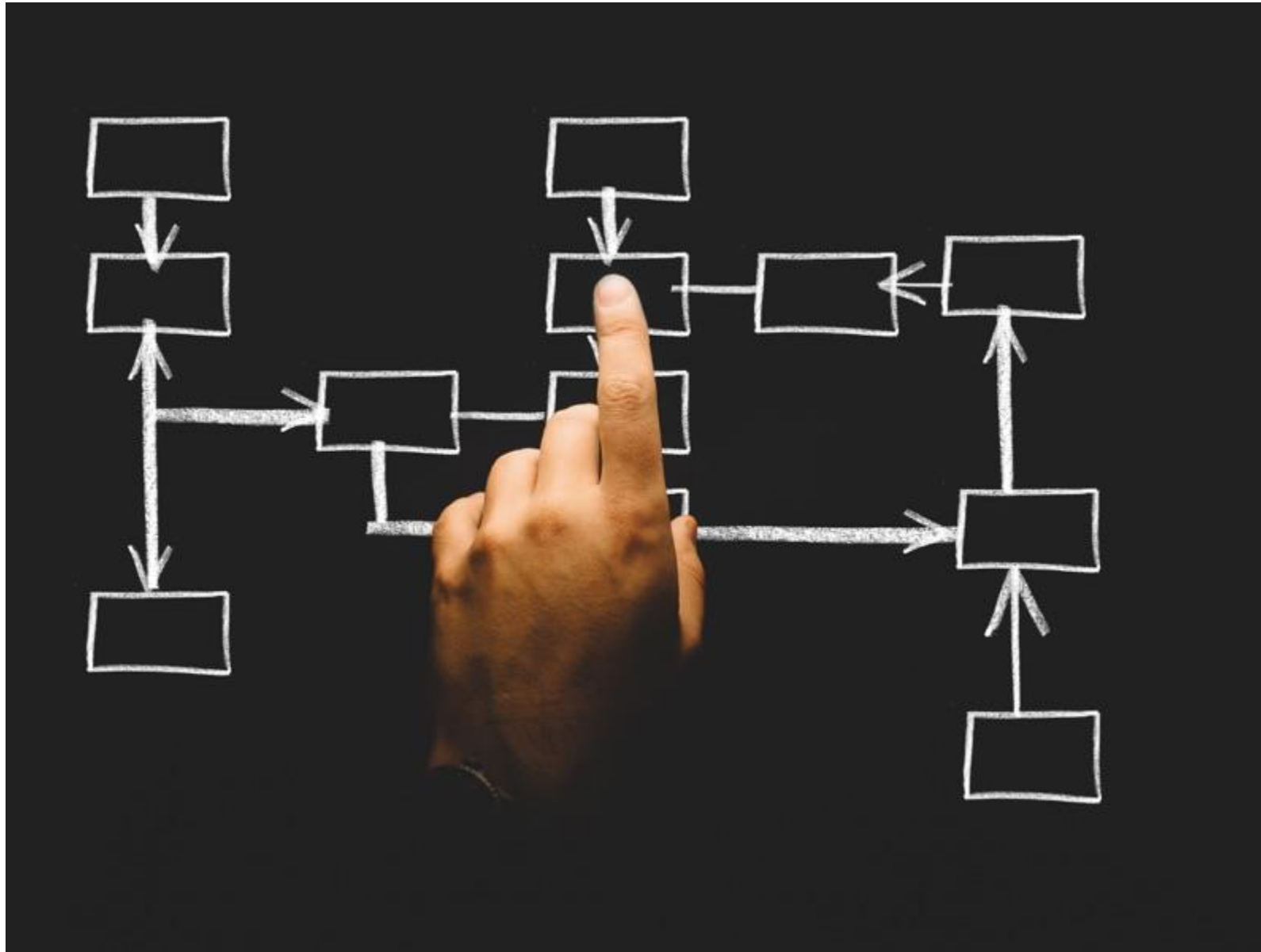
- Yechimga olib boruvchi aniq buyruqlar ketma-ketligi algoritm deb ataladi.
- Kompyuterga muammoni hal qilishga imkon beruvchi aniq ifodalangan jarayon.



Choy damlash algoritmi)



Data structures

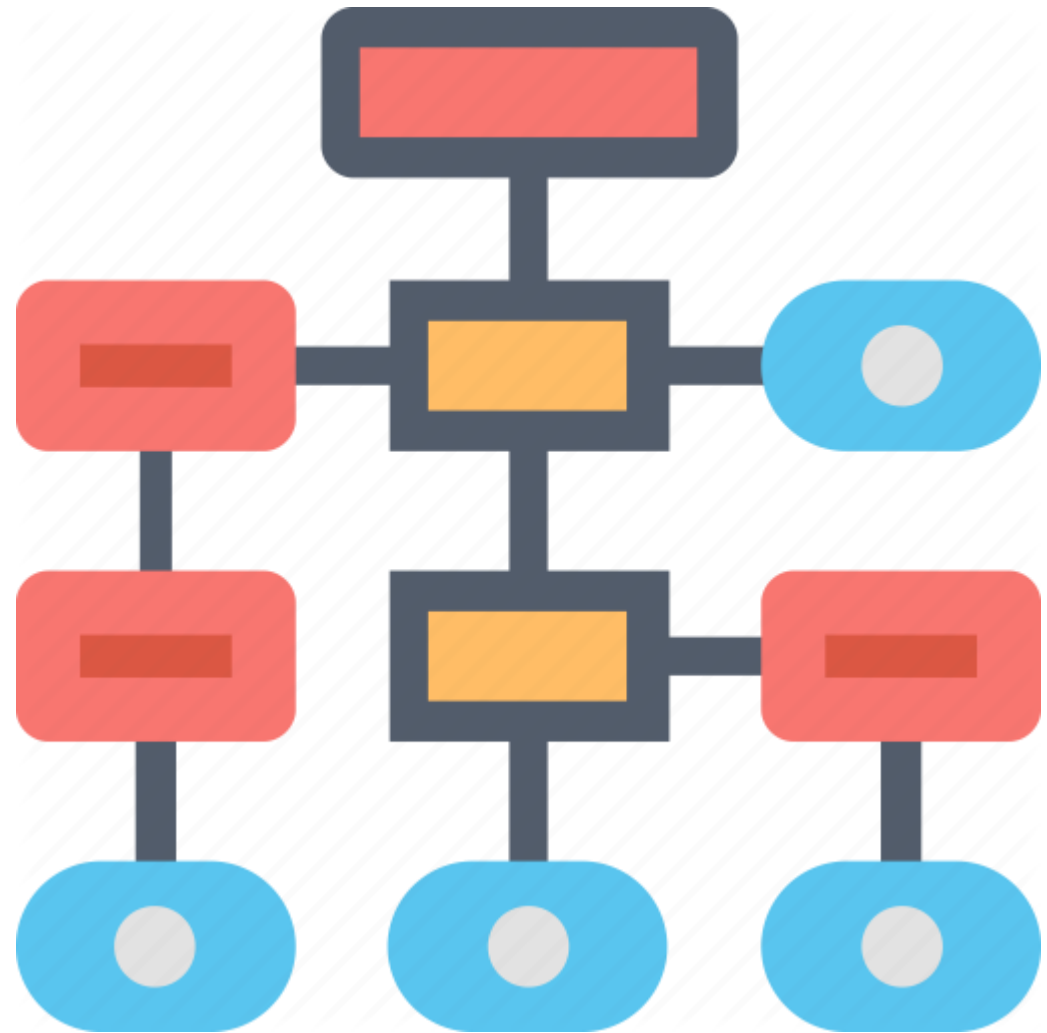


Data structures

Qay tartibda saqlanadi?

Qanday o'zgartiramiz?

O'zaro aloqasi qanaqa?



Hammasi Python haqida!!

Pitonlar (lot. Pythonidae) –
zaharli bo'lmagan ilonlar oilasi.
Hozirgi kunda 9 ta nasl va 41
tur mavjud.



Hammasi Python haqida



Guido Van Rossum

Hamma uchun dasturlash tili



Hammasi Python haqida

Python ilm-fanda:

Python tilida yozilgan dasturlar:

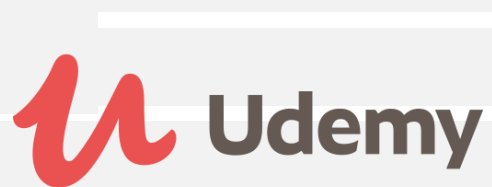
1 Data Science (Pandas)

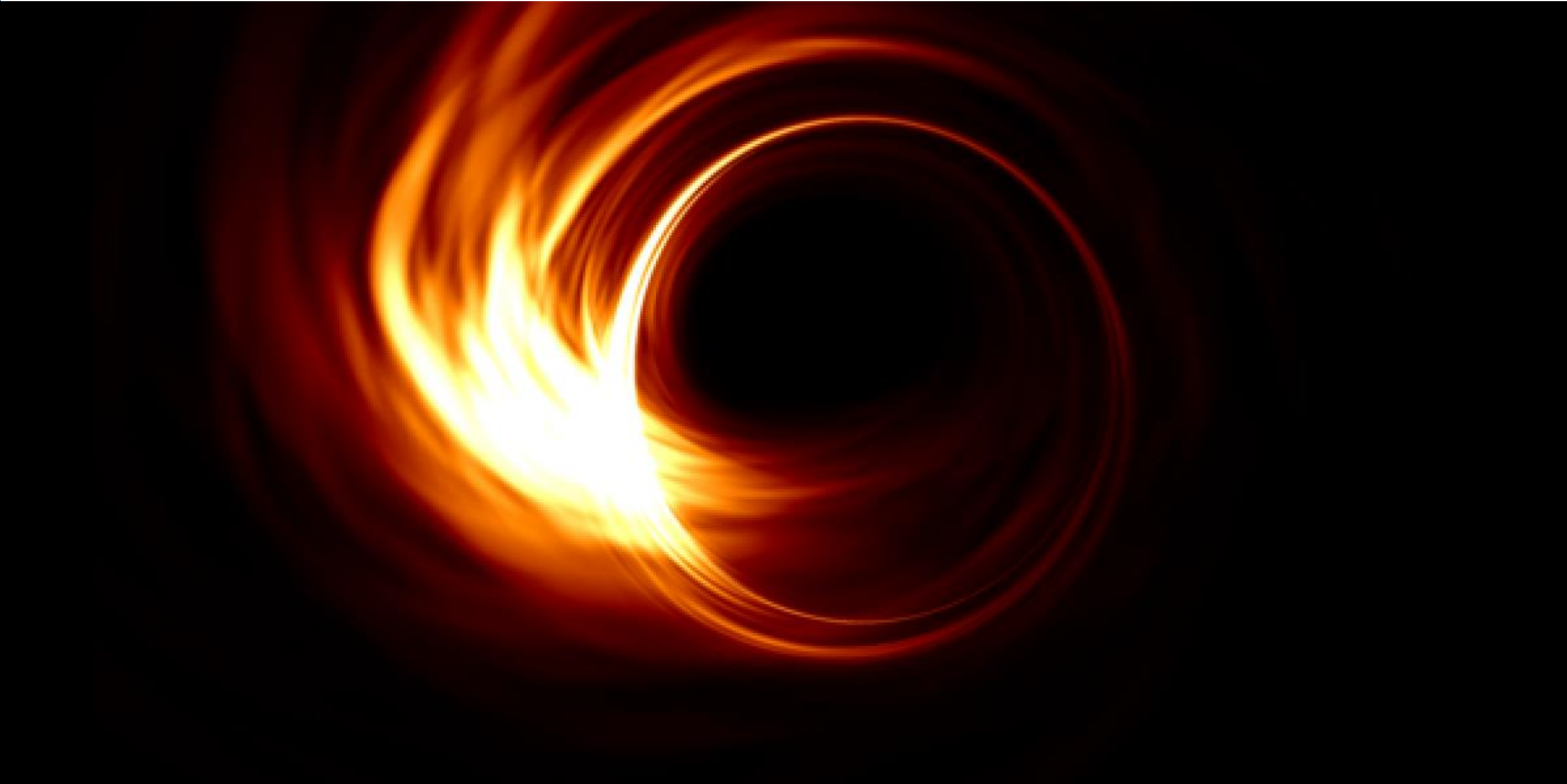
2 High level scientific computing

3 Web and internet development

4 Software development

5 Business application development





Birinchi dasturimiz

Interpreterga biror natijani chiqarish uchun `'print'`

`built-in funksiyasidan foydalanamiz`

```
print("Hello, World ")
```

Tabriklayman!

Siz birinchi dasturingizni yaratdingiz!

Komment yozish

#Bu faqat bir qatorli komment uchun

"""Bu esa ko'p qatorli

kommentlar uchun

ishlatiladi"""

Dasturdagi xatolar

Sintaks xatolar

- Tilning grammatik qoidalari buzilishi
- Compiler tomonidan aniqlanadi

Run-time xatolar

- Bunday xatolar dasturni yurgizish vaqtida aniqlanadi

Logik xatolar

- Dastur algoritmidagi xatolar
- Aniqlash qiyin
- Kompyuter aniqlay olmaydi



