



2.1-mavzu. Python dasturlash tiliga kirish.

Reja:

1. Python tarixi.
2. Nima uchun aynan Python
3. Kompilyator & Interpretator
4. Pythonni o'rnatish.
5. Pythonda ma'lumot turlari.

```
F multi_value_return(x, y):
    sum = x + y
    modulo = x % y
    product = x * y
    data = (sum, modulo, product)
    print(type(data))
    return data

while True:
    x = int(input("What is the first number?"))
    if x == 0:
        print('Thanks for playing!')
        break
    y = int(input("What is the second number?"))
    (sum, modulo, product) = multi_value_return(x, y)
    print("Adding these two numbers")
    print("The modulo of these two numbers")
    print("Multiplying these two numbers")
```

Guido van Rossum

1991-yil 20 Febral



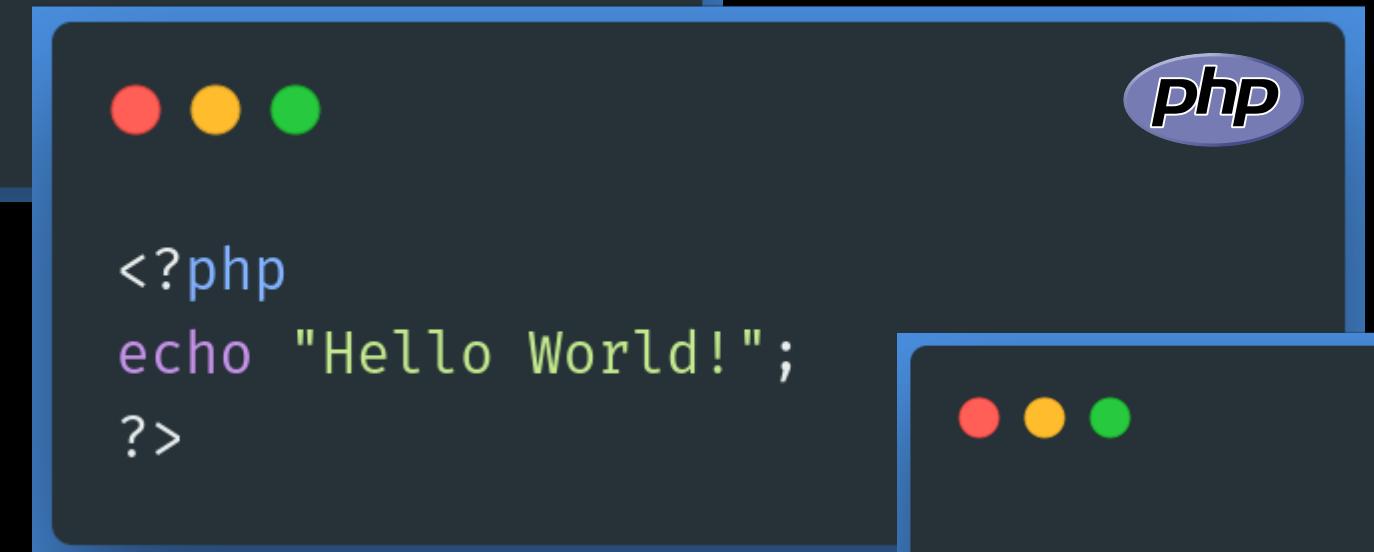
Nima uchun aynan Python ?



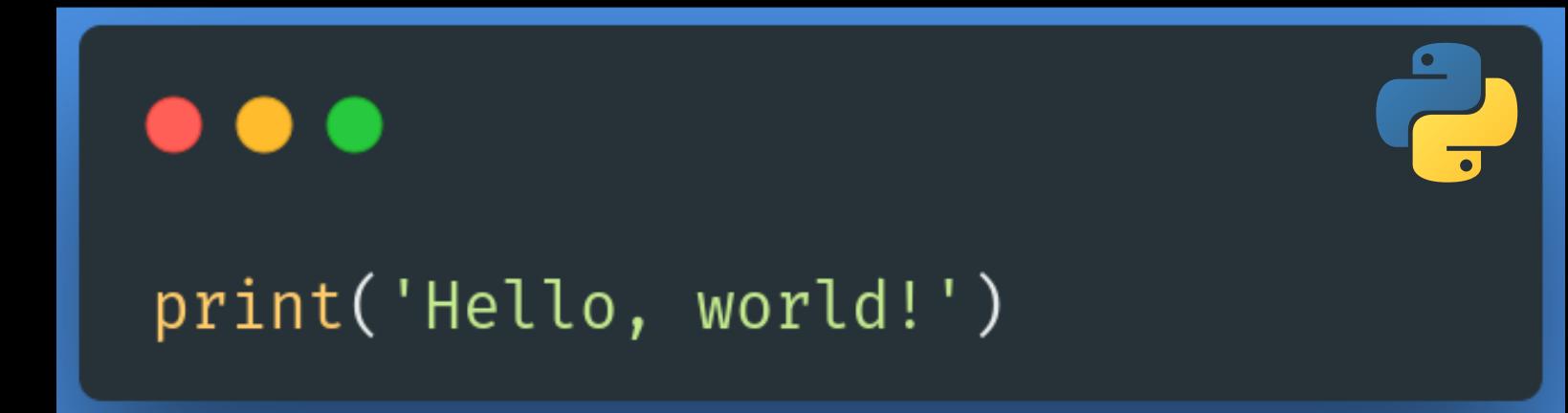
```
class HelloWorld {  
    public static void main(String[] args) {  
        System.out.println("Hello, World!");  
    }  
}
```



```
#include <stdio.h>  
int main()  
{  
    printf("Hello, World!");  
    return 0;  
}
```



```
<?php  
echo "Hello World!";  
?>
```



```
print('Hello, world!')
```



```
console.log('Hello World');
```

Keng qamrovli va universal til.

Python dasturlari deyarli barcha operativ tizimlarda va platformalarda ishlaydi.

Platforma tanlamaydi

Python turli xil platformalarda ishlaydi (Windows, Mac, Linux, Raspberry Pi va boshqalar).

Sodda sintaksisga ega.

Python ingliz tiliga o'xshash oddiy sintaksisga ega. O'rganish uchun ham, tushunish uchun ham juda qulay va sodda kod.

Talab juda katta

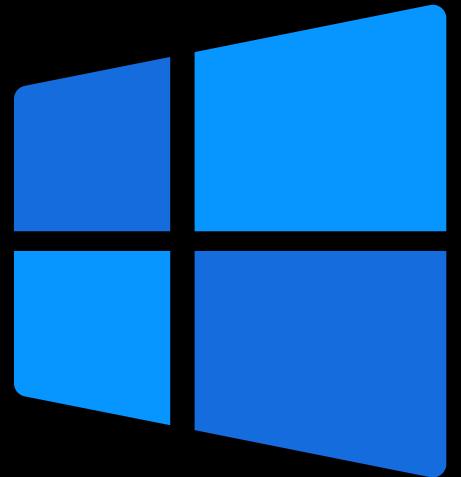
CodingDojo portalining tadqiqotlariga ko'ra, 2021 yilda aynan Python tilida dasturlovchi mutaxassislarga eng ko'p talab bo'lgan.

U ?

Python Artificial Intelligence (Sun'iy intellekt) va Data Science (Ulkan ma'lumotlar bilan ishlash) sohalarining tili hisoblanadi

Kompilyator & Interpretator

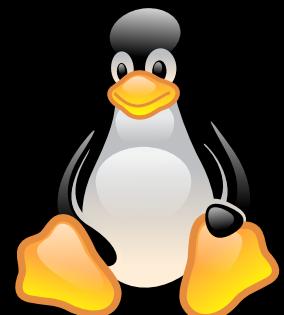
Pythonni o'rnatish.



<https://www.python.org/ftp/python/3.10.5/python-3.10.5-amd64.exe>



<https://www.python.org/ftp/python/3.10.5/python-3.10.5-macos11.pkg>



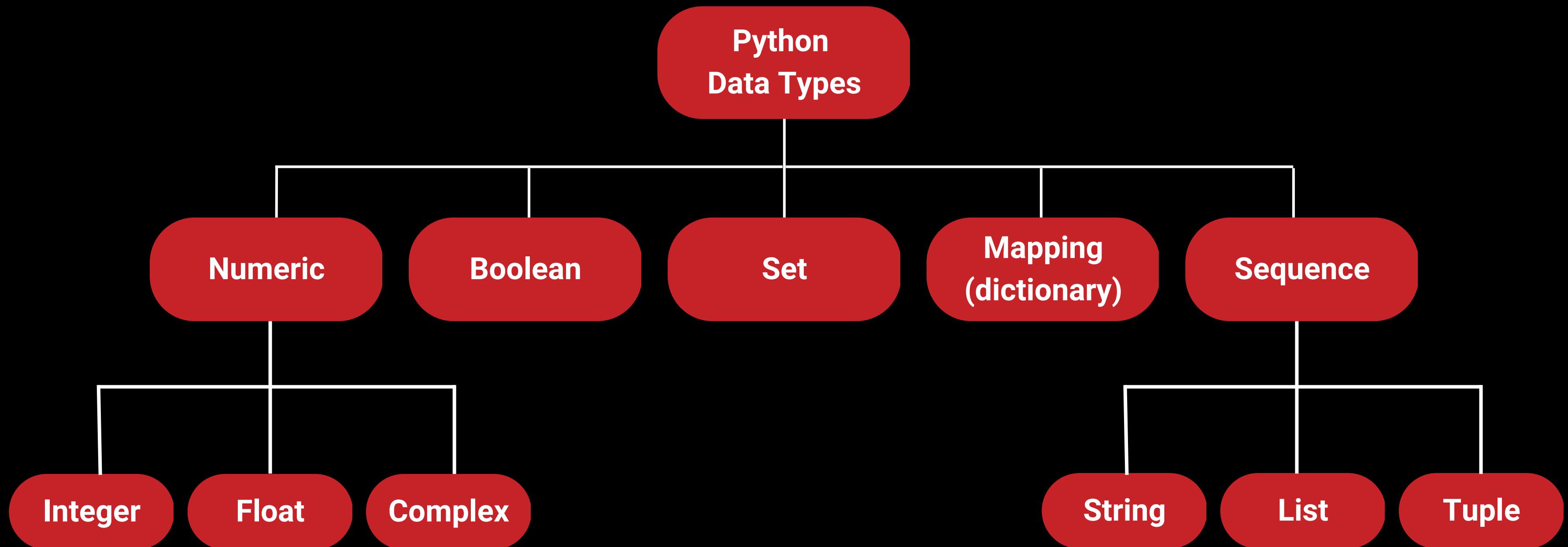
`python3 --version`

Pythonda ma'lumot turlari.

python data types



type("Python")



Savollar ?