

`{i}`Code

Salom

Oldingi darsda

{i}Code

- **{i}Code** haqida batafsil.
- Men kimmman
- Dars til masalasi
- Dasturlashga kirish.



**Oldingi safar
qatnashmaganlarga!!!**

<https://zohidjondey.github.io/icode/>

Havolasi orqali veb sayitimizga
kiring va otgan darsda nima
bolganini bilib oling!



Mavzu: O'zgaruvchilar

Python dasturlashining asosiy tushunchalari

Bugungi reja

- O'zgaruvchilarni tushunish
- Oddiy ma'lumot turlari bilan ishlashni o'rganish
- Sintaksis xatolarini tushunish va tuzatish

Python kodini ishlatish jarayoni



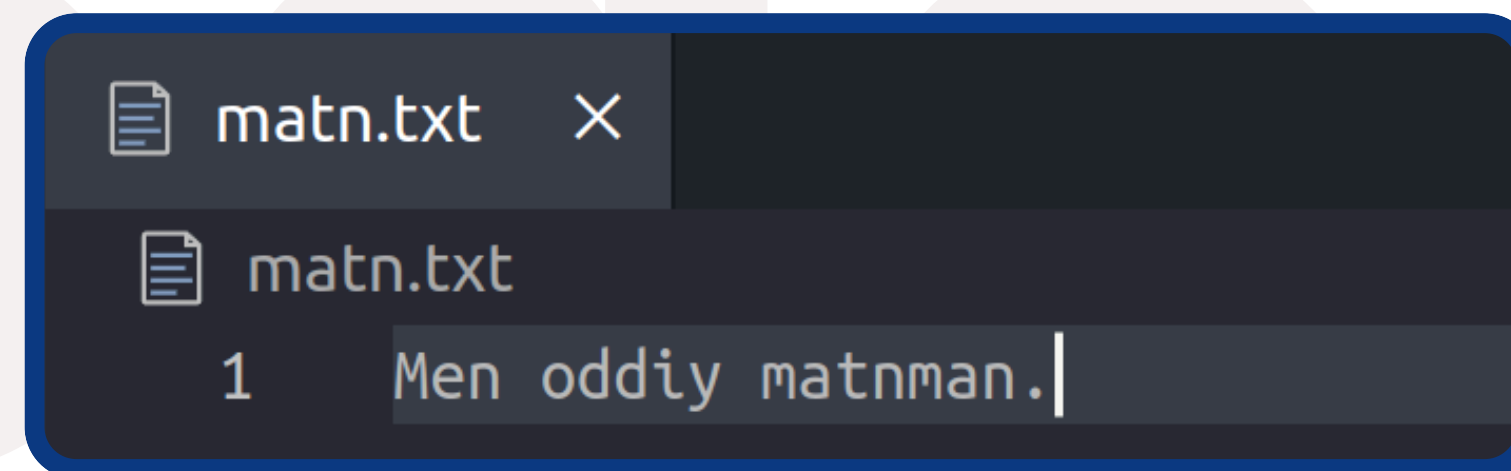
- ***.py** fayli turi Python dasturi ekanligini bildiradi
- Python ***interpreteri** har bir kod qatorini o'qiydi va bajaradi

Fayl turi nima degani

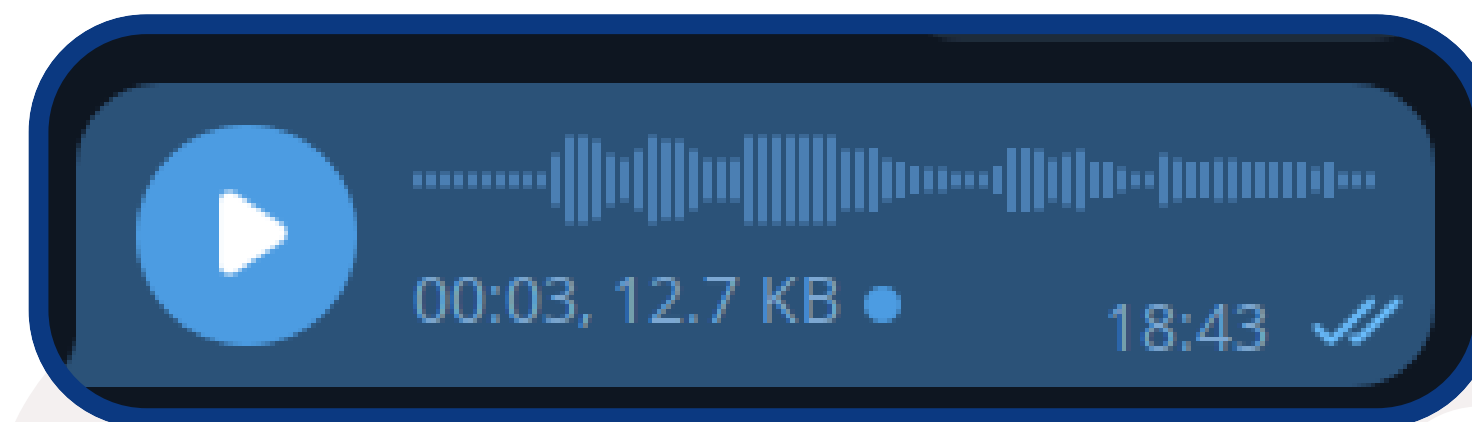


Fayl turi – kompyuterga fayl bilan nima qilish kerakligini aytadi.

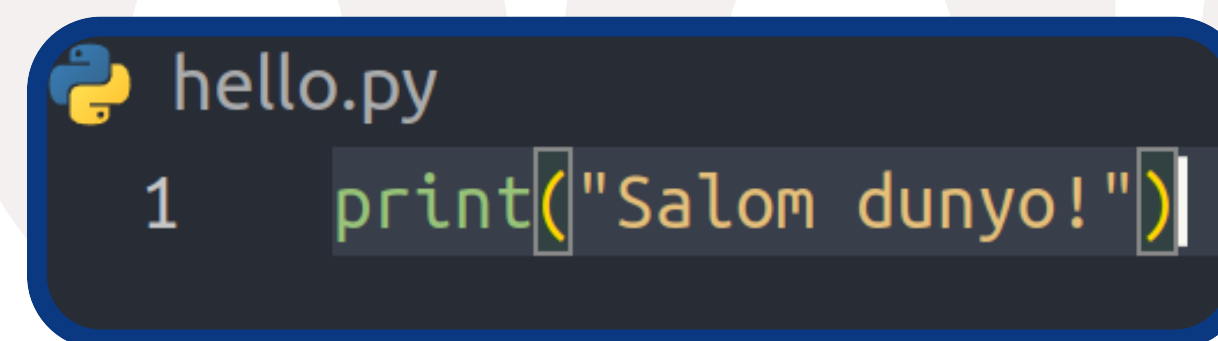
matn.txt



audio.mp3



hello.py





interpreteri nima degani

"Interpreter" — bu Python kodini ishga tushiruvchi dasturdir. Python kodini yozganingizda, uni bajarish uchun Python interpreteridan foydalaniladi. Interpreter kodni qadam-baqqadam o'qib, bajaradi va natijani darhol ko'rsatadi.

interpreteri nima degani

Odam chunaadigan
korinishdan.

Kompyuter chunadigon
korinishga.

{i}Code

```
hello.py  
1 print("Salom dunyo!")
```



interpretatsiya!!!

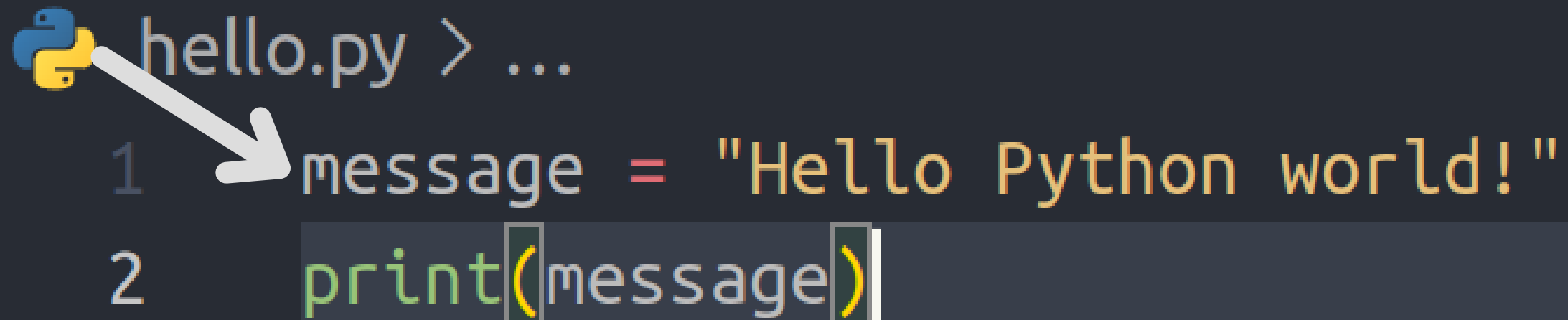
```
01110000 01110010 01101001  
01101110 01110100 00101000  
00100111 01010011 01100001  
01101100 01101111 01101101  
00100000 01100100 01110101  
01101110 01111001 01101111  
00100001 00100111 00101001
```

say_vo_i/ar?



O'zgaruvchilar nima?

O'zgaruvchilar qiymatlarni saqlash uchun ishlatiladi

A dark-themed code editor snippet with a blue border. It shows a Python file named 'hello.py' with two lines of code. A white arrow points from the Python logo to the first line. The code is:

```
hello.py > ...  
1 message = "Hello Python world!"  
2 print(message)
```

```
hello.py > ...  
1 message = "Hello Python world!"  
2 print(message)
```

O'zgaruvchilar nima?

{i}Code

 hello.py

```
1 print("Salom dunyo!")
```

=

 hello.py > ...

```
1 habar = "Salom dunyo!"
```

```
2 print(habar)
```

O'zgaruvchilar nima?

{i}Code



=



hello.py > ...

1

habar = "Salom dunyo!"

2

print(habar)

O'zgaruvchini yangilash

{i}Code

Oldin

Salom dunyo!

Habar

Endi

Salom Beshariq!

Habar

```
hello.py > ...  
1  habar = "Salom dunyo!"  
2  print(habar)  
3  habar = "Salom Beshariq!"  
4  print(habar)
```

O'zgaruvchi nomlash qoidalar

- Faqat **harflar, raqamlar** va **pastki chiziqlardan** foydalanish **mumkin**
- Nomi raqam bilan **boshlanmasligi** kerak
- Maslahat: qisqa va tushunarli nomlar tanlang.

O'zgaruvchi nomlash qoidalar

{i}Code

```
toliq_ism = "Ma'rufov phidjon"  
toliq ism = "Ma'rufov Zohidjon"
```



```
ism2 = "Ma'rufov"
```



```
2ism = "Ma'rufov"
```



```
ism = "Zohidjon"
```



```
i = "Zohidjon"
```



Xatolar va Traceback haqida

Xato qilingan o'zgaruvchi nomi

```
habar = "Salom dunyo!"  
print(habor)  "habor" is not defined
```

```
Traceback (most recent call last):  
  File "/home/zohidjon/Desktop/iCode Club/Codes/hello.py", line 2, in <module>  
    print(habor)  
NameError: name 'habor' is not defined. Did you mean: 'habar'?
```



Xatolar va Traceback haqida

“Xato topuvchini” batafsil

organish.

3. Qaysi qatordaligi

2. Qaysi faylda hato topilgan

1. “Xato topuvchini” hato topganini aytyapti

Traceback (most recent call last):

```
File "/home/zohidjon/Desktop/iCode Club/Codes/hello.py", line 2, in <module>
    print(habor)
```

```
NameError: name 'habor' is not defined. Did you mean: 'habar'?
```

Xato haqida batafsil.

Xato turi: Bizning holda bu “**NameError**”.

Amaliy Mashqlar



- **Mashq 1:** O'zgaruvchiga xabar qiymatini berib, uni chop eting
- **Mashq 2:** Xabarni o'zgartirib, yangi qiymat bilan chop eting
- **Mashq 3:** Xatolik bilan kod yozib, Python hatoni o'rganing.

Xulosa

- **O'zgaruvchilar:** qiymatlarni boshqarish vositasi
- **To'g'ri nomlash** kodni tushunarli qiladi
- Python **xatolarni** ko'rsatib, ularni tuzatishga yordam beradi
- **Amaliyot** orqali yaxshiroq o'rganiladi



**E'tiboringiz uchun
rahmat.**