print ("5+10")



print (5+10)

print (My name is Nurlan)

print ("I'm ",10+4)

print ("I'm ", "10+4")

print ("Your new score is" 1030+10)





$$7+x=10$$

2x⁴-3⁴-9⁴-4=10

34.25





Variables

You will:

- learn purposes of variables;
- learn how to input data;
- ☐ solve problems in Python.



Variables

Айнымалы

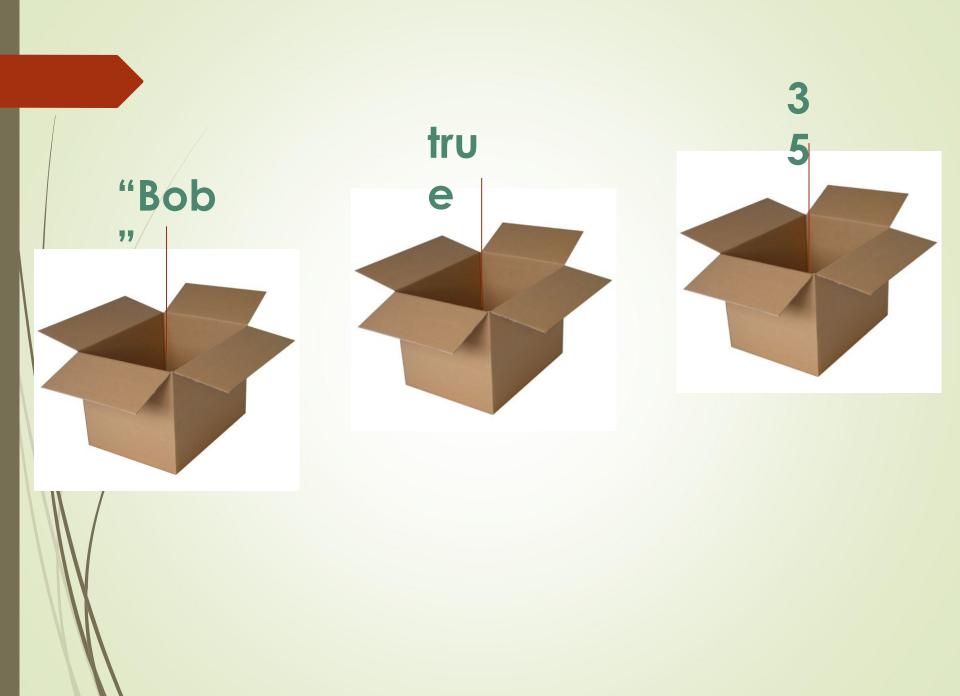
Object

Нысан

Syntax error

Синтаксистік қате

To modify Өзгерту





Keep in mind

variable's name can be a lowercase or uppercase letter or a word. Nevertheless, uppercase letters should not be used normally.

Variable's name is case sensitive. This can be confusing if a programmer is not expecting it.

In the code below, the output will be 6 (not 5) because there are two different variables:

x and X.

$$x = 6$$

 $X = 5$
 $print(x)$



Example 1:



Code: name = "Dias"

print ("My name is ", name)

Output: My name is Dias

Example 2:

Code: lives = 3

print ("Number of lives: ", lives)

lives = lives + 1

print ("Number of lives: ", lives)

Output: Number of lives: 3

Number of lives: 4

Practice 1



T.Following codes have errors. Find and fix them.

```
a)bandName="MuzArt"
print(bandName, songs are very popular)
```

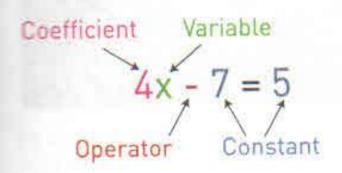
b) bandName="MuzArt" print("bandName, is the most popular music band in Kazakhstan")

2. Complete the following code:

```
name=
surname=
print("My name is",
print( , )
```



Operators



A symbol for a number we do not know yet. It is usually a letter like x or y.

Example: in x + 2 = 6, x is the variable.

operator	operation	example equation	example code	result
+	addition	3 + 2	a = 3 + 2	a = 5
	substraction	3 - 2	a = 3 - 2	a = 1
*	multiplication	3 · 2	a = 3 · 2	a = 6
1	division	10 2	a = 10 / 2	a = 5
//	floor division	N/A	a = 10 //3	a = 3
**	power	23	a = 2 ** 3	a = 8
%	modulus	N/A	a = 8 % 3	a = 2



Keep in mind

'Floor division'
always rounds an output
down to the nearest value.
For example:

- 11//2 is equal to 5, not 5.5.
- 99//100 is equal to 0
- Modulus (%) is the remainder after division.

Ex: 8 % 3 = 2 9 % 2 = 1



Practice using following expressions in Python:

a)a//b b)a%b c)a**2 d)a**b



https://quizizz.com/admin/quiz/5c4 fe24bf94c0b001a67e377/variables

Feedback











http://silentteacher.toxicode.fr/