In [3]:
```
print ("hello")
```

```
hello
```

In [4]:
```
print ('hello')
```

```
hello
```

In [5]:
```
print ('''hello''')
```

```
hello
```

In [6]:
```
print ("""hello""")
```

```
hello
```

In [7]:
```
print ("hello\nworld")
```

```
hello
world
```

In [8]:
```
print ('Αλέξανδρος')
```

```
Αλέξανδρος
```

In [9]:
```
print ('中文維基百科 ')
```

```
中文維基百科
```

In [10]:
```
print ('Master\'s voice')
```

```
Master's voice
```

In [11]:
```
print ("Master's voice")
```

```
Master's voice
```

In [12]:
```
print ("My name is \"alex\"")
```

```
My name is "alex"
```

In [13]:
```
print ('My name is "alex"')
```

```
My name is "alex"
```

In [14]:
```
print ('''


hello
world!


''')
```

```


hello
world!
```

In [16]:
```
print ("""

 vcvfgbhynujikkjhgcxf


 ghjkhgfhgfc

""")
```

```
vcvfgbhynujikkjhgcxf


ghjkhgfhgfc
```

In [17]:
```
# this is a comment
print ('hello') # this is another
```

In [18]:
```
3+2-5
```

Out[18]: 0

In [19]:
```
3+6/2
```

Out[19]: 6.0

In [20]:
```
3+(6/2)
```

Out[20]: 6.0

In [21]:
```
6/2
```

Out[21]: 3.0

In [22]:
```
6//2
```

Out[22]: 3

In [23]:
```
5//2
```

Out[23]: 2

In [24]:
```
10%3
```

Out[24]: 1

In [25]:
```
6543234567654323456 * 65467898765456789
```

Out[25]: 428371818273830669106897182597142784

In [26]:
```
10**2
```

Out[26]: 100

In [29]:
```
456543**100
```

Out[29]:
```
887500956085211080108142527646688162563630187362593951039029189485885635205
223346606707945641458485451222352745894959769348431509688953830020627484837
889013809399878993904649477269688130281004562280942278950972929580969413633
143395389750844005483857802556347713590775379793712611565651902199628899855
219445091958684342519350098522275094596829059673257197678178781647836390005
386019284109419196540825071210229306977140894117619895442742538911889472097
934725960955827772142220091314351653142499659981389165643755816179976373683
706116288802667370187184283793939095200 01
```

In [30]:
```
23+2
```

Out[30]: 25

In [31]:
```
23+2.0
```

Out[31]: 25.0

In [32]:
```
True
```

Out[32]: True

In [33]:
```
True + True
```

Out[33]: 2

In [34]:
```
False * 10
```

Out[34]: 0

In [35]:
```
543245432234543* 234523452345* 2345234523452345234
```

Out[35]: 298791776666472577820362460916767146185255390

In [36]:
```
1.2354676545678765456787654
```

Out[36]: 1.2354676545678764

In [37]:
```
1/3
```

Out[37]: 0.3333333333333333

In [38]:
```
3456
```

Out[38]: 3456

In [39]:
```
234.45
```

Out[39]: 234.45

In [40]:
```
'3456'
```

Out[40]: '3456'

In [41]:
```
'hello'
```

Out[41]: 'hello'

```
In [42]: 12+34
```

```
Out[42]: 46
```

```
In [43]: '12' + '34'
```

```
Out[43]: '1234'
```

```
In [44]: '12' + 34
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-44-afb1c3d28cba> in <module>
----> 1 '12' + 34

TypeError: can only concatenate str (not "int") to str
```

```
In [45]: 'hello ' * 3
```

```
Out[45]: 'hello hello hello '
```

```
In [46]: 'hello ' * 3.0
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-46-9311c733ee0b> in <module>
----> 1 'hello ' * 3.0

TypeError: can't multiply sequence by non-int of type 'float'
```

```
In [47]: 'a' * 'b'
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-47-f16ddcabf702> in <module>
----> 1 'a' * 'b'

TypeError: can't multiply sequence by non-int of type 'str'
```

```
In [48]: ''
```

```
Out[48]: ''
```

```
In [49]: 'alex'
```

```
Out[49]: 'alex'
```

```
In [50]: 'a'
```

```
Out[50]: 'a'
```

```
In [51]: ' '
```

```
Out[51]: ' '
```

```
In [52]: len('alex')
```

```
Out[52]: 4
```

```
In [53]: len('')
Out[53]: 0

In [54]: len(' ')
Out[54]: 1

In [56]: '"hello "' * 3
Out[56]: '"hello ""hello ""hello "'

In [57]: "hello " * 3
Out[57]: 'hello hello hello '

In [61]: '\\\'alex\\\''
Out[61]: "\\'alex\\'"

In [62]: 'kanterakis'.count('a')
Out[62]: 2

In [63]: len('sdfgsfgsdfg')
Out[63]: 11

In [64]: 'kanterakis'.count('ter')
Out[64]: 1

In [65]: 'kanterakis'.count('fhdjfh')
Out[65]: 0

In [66]: 'hello'.index('h')
Out[66]: 0

In [67]: 'hello'.index('ll')
Out[67]: 2

In [68]: 'hello'.index('l')
Out[68]: 2

In [69]: 'hello'.index('asdasd')
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
<ipython-input-69-602a9f6ab409> in <module>
----> 1 'hello'.index('asdasd')

ValueError: substring not found
```

In [71]:
```
'hello'.index('l', 3)
```

Out[71]:
```
3
```

In [74]:
```
'hello'.find('lasdf')
```

Out[74]:
```
-1
```

In [75]:
```
'hello'.index('lasdf')
```

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
<ipython-input-75-90a934e5510a> in <module>
----> 1 'hello'.index('lasdf')

ValueError: substring not found
```

In [76]:
```
print ("\U0001F621")
```

In [77]:
```
print ('sdasd')
print ('gfdewdfghgf')
```

```
sdasd
gfdewdfghgf
```

In [ ]:
```

```

In [78]:
```
print ("\U0001F621")
```

In [79]:
```
10 > 3
```

Out[79]:
```
True
```

In [80]:
```
# +, *, /, //, **, %
```

In [81]:
```
#>, <, >=, <=
```

In [82]:
```
4 > 5
```

Out[82]:
```
False
```

In [83]:
```
5 > 5
```

Out[83]:
```
False
```

In [84]:
```
5 >= 5
```

Out[84]:
```
True
```

In [85]:
```
# ==, !=
```

In [86]:
```
3 == 4-1
```

Out[86]:
```
True
```

In [87]:
```
5 == 6
```

Out[87]: False

In [88]:
```
4 != 3
```

Out[88]: True

In [89]:
```
4 != 4
```

Out[89]: False

In [90]:
```
'alex' == 'alex'
```

Out[90]: True

In [91]:
```
'alex' == 'Alex'
```

Out[91]: False

In [92]:
```
'' == ' '
```

Out[92]: False

In [93]:
```
'' == ''
```

Out[93]: True

In [94]:
```
'a' < 'h'
```

Out[94]: True

In [95]:
```
'25' < '5'
```

Out[95]: True

In [96]:
```
1 == True
```

Out[96]: True

In [97]:
```
0 == False
```

Out[97]: True

In [98]:
```
'25' < 'a'
```

Out[98]: True

In [99]:
```
# < <= > >= == !-
```

In [100…
```
True and True
```

Out[100… True

In [101…
```
True and False
```

Out[101… False

In [103…
```
False and True
```

Out[103… False

In [104…
```
False and False
```

Out[104… False

In [105…
```
True or True
```

Out[105… True

In [106…
```
True or False
```

Out[106… True

In [107…
```
False or True
```

Out[107… True

In [108…
```
False or False
```

Out[108… False

In [109…
```
True and 'Mitsos'
```

Out[109… 'Mitsos'

In [110…
```
'Mitsos' and True
```

Out[110… True

In [111…
```
' ' and True
```

Out[111… True

In [112…
```
'' and True
```

Out[112… ''

In [113…
```
bool('Mitsos')
```

Out[113… True

In [114…
```
bool('')
```

Out[114… False

In [115…
```
bool(15)
```

Out[115… True

In [116…
```
bool(-15)
```

Out[116… True

In [117…
```
bool(0)
```
Out[117… False

In [118…
```
bool(1)
```
Out[118… True

In [119…
```
bool(-1)
```
Out[119… True

In [120…
```
bool(0.0)
```
Out[120… False

In [121…
```
bool(0.00000000000000000000000000000000000000000001)
```
Out[121… True

In [122…
```
0.00000000000000000000000000000000000000000001
```
Out[122… 1e-44

In [123…
```
not True
```
Out[123… False

In [124…
```
not False
```
Out[124… True

In [125…
```
not 'Mitsos'
```
Out[125… False

In [126…
```
'Mitsos'.upper()
```
Out[126… 'MITSOS'

In [127…
```
'Αλέξανδρος'.upper()
```
Out[127… 'ΑΛΈΞΑΝΔΡΟΣ'

In [128…
```
'Mitsos'.lower()
```
Out[128… 'mitsos'

In [129…
```
'Mitsos'.replace('s', '5')
```
Out[129… 'Mit5o5'

In [130…
```
'     dfghjugtfrdfghyujhygfd     '.strip()
```
Out[130… 'dfghjugtfrdfghyujhygfd'

```
In [131…  'Heraklion'[2]

Out[131…  'r'

In [132…  'Heraklion'[0]

Out[132…  'H'

In [133…  'Heraklion'[5]

Out[133…  'l'

In [134…  'Heraklion'[8]

Out[134…  'n'

In [136…  'Heraklion'[10]

---------------------------------------------------------------------------
IndexError                                Traceback (most recent call last)
<ipython-input-136-7dc908f79e74> in <module>
----> 1 'Heraklion'[10]

IndexError: string index out of range

In [137…  'Heraklion'[-1]

Out[137…  'n'

In [138…  'Heraklion'[-2]

Out[138…  'o'

In [139…  'Heraklion'[-9]

Out[139…  'H'

In [ ]:  'Heraklion'[-0]

In [140…  -0

Out[140…  0

In [141…  'Heraklion'[0]

Out[141…  'H'

In [142…  'Heraklion'[-10]

---------------------------------------------------------------------------
IndexError                                Traceback (most recent call last)
<ipython-input-142-104011c04ace> in <module>
----> 1 'Heraklion'[-10]

IndexError: string index out of range

In [143…  'Heraklion'[ 2: 5]
```

```
Out[143… 'rak'

In [144… 'Heraklion'[ -3: -1]

Out[144… 'io'

In [145… 'Heraklion'[ -1: -3]

Out[145… ''

In [146… 'Heraklion'[ -1: -3: -1]

Out[146… 'no'

In [147… 'Heraklion'[ -1: +3: -1] # '\o/'

Out[147… 'noilk'

In [148… 'Heraklion'[ 1: 6]

Out[148… 'erakl'

In [149… 'Heraklion'[ 1: 6: 1]

Out[149… 'erakl'

In [150… 'Heraklion'[ 1: 6: 2]

Out[150… 'eal'

In [151… 'Heraklion'[ 1: 7: 2]

Out[151… 'eal'

In [152… 'Heraklion'[ 1: 8: 2]

Out[152… 'ealo'

In [153… 'Heraklion'[ -2: 0: -2]

Out[153… 'olae'

In [154… 'Heraklion'[ 5: 1000]

Out[154… 'lion'

In [155… 'Heraklion'[ 5: ]

Out[155… 'lion'

In [156… 'Heraklion'[:5]

Out[156… 'Herak'

In [157… 'Heraklion'[:]

Out[157… 'Heraklion'
```

In [158…
```
'Heraklion'[  : : -1]
```
Out[158…
```
'noilkareH'
```
In [159…
```
True and 'Mitsos'
```
Out[159…
```
'Mitsos'
```
In [160…
```
True and 'Mitsos' and False and 'Kostas'
```
Out[160…
```
False
```
In [ ]:
```
False and fghjklhgfghjklkjhgf
```
In [161…
```
False and ψάξε_το_νόημα()
```
Out[161…
```
False
```
In [ ]:

In [ ]:

In [ ]: