```
In [1]: 5==5,0
Out[1]: (True, 0)
 In [2]: 5,0 == 5
Out[2]: (5, False)
 In [3]: 5.0 == 5
 Out[3]: True
 In [4]: a = 5
 In [5]: a = 5+1
 In [6]: print (a)
 In [7]: b = a
 In [8]: print (b)
In [9]: b = a+3
In [10]: a=3
         b=5
         c=a+b
In [11]: C
Out[11]: 8
In [12]: b=10
In [13]: c
Out[13]: 8
In [14]: c=a+b
In [15]: C
Out[15]: 13
In [16]: a
Out[16]: 3
```

```
In [17]: a = a + 1
In [18]: a
Out[18]: 4
In [19]: a = a + 10
Out[19]: 14
In [20]: a = a * 10
In [21]:
Out[21]: 140
In [22]: a=5
          a = a + 1
         print (a)
In [23]: a=5
          a += 1 # a = a + 1
         print (a)
In [24]: a=5
          a *= 10 # a = a * 10
         print (a)
         50
In [25]: a=3
          b='mitsos '
          a*b
Out[25]: 'mitsos mitsos mitsos '
         'mitsos ' * 3
In [26]:
         'mitsos mitsos mitsos '
Out[26]:
In [27]:
          a=3
          a > 5
Out[27]: False
         b = a > 5
In [28]:
         print(b)
In [29]:
         False
```

```
In [30]: def athroisma(a,b):
             return a+b
In [32]: athroisma(5,6)
Out[32]: 11
In [33]: len("mitsos")
Out[33]: 6
            f(x) = 2x+5
In [34]:
         def f(x):
             return (2*x) + 5
In [35]:
         f(10)
Out[35]: 25
In [36]: def f():
             return 5
In [37]: f()
Out[37]: 5
In [38]:
         ' asdfasdf asdf '.strip()
Out[38]: 'asdfasdf asdf'
In [41]:
         def f():
            print ('mitsos')
          def g():
            return 'mitsos'
In [56]: b = f()
         mitsos
In [57]:
         a=g()
          print(a)
         mitsos
In [47]: print(b)
         None
         a=3
In [48]:
In [49]: type(a)
Out[49]: int
```

```
In [51]: a=3.3
          type(a)
Out[51]: float
In [52]:
          a=True
          type(a)
Out[52]: bool
In [53]:
          a=None
          type(a)
Out[53]: NoneType
In [55]:
          '' == None
Out[55]: False
In [ ]:
In [44]:
          a = g()
In [45]:
         print (a)
         mitsos
          # Μία συνάρτηση που τυπώνει το διπλάσια ενός αριθμού:
In [58]:
          def f(x):
             print (2*x)
          # Μία συνάρτηση που επιστρέφει το διπλάσια ενός αριθμού:
In [59]:
          def f(x):
              return 2*x
In [60]: b = f(4)
          print(b)
In [61]: b
Out[61]: 8
          def f(x):
In [63]:
             return x+1
          def g(x):
            return f(x)*2
          g(2)
Out[63]: 6
```

```
In [64]: (2+1)*2
Out[64]: 6
In [65]: def f(x):
             b=x
             c=x/2
             return b+c
In [66]: f(10)
Out[66]: 15.0
In [75]: def f(x):
             def g(y):
                 return y+1
             return g(x/2)
          f(10)
Out[75]: 6.0
In [76]:
         g(5)
Out[76]: 6
In [81]: def f(x):
              def g(y):
                return y+1
             return g(x/2)
In [ ]:
In [82]: f(10)
Out[82]: 6.0
In [ ]:
In [69]: def f(x):
             return x+1
          a=2
          f(a/2)
Out[69]: 2.0
```

```
In [73]:
          def f(x):
              return x+1
          f(2)
Out[73]: 3
In [71]:
          f(10/2)
Out[71]: 6.0
In [72]:
          a=10
          f(a/2)
Out[72]: 6.0
          f(1)+f(2)
In [74]:
Out[74]: 5
In [85]:
          def f(x):
              return (x+1)
In [89]:
          def f(x):
              a=x
              b=x/2
              return a+b
           File "<tokenize>", line 3
              b=x/2
         IndentationError: unindent does not match any outer indentation level

    ΔΙΑΦΟΡΆ print, return

           • βασικα εβαλα 2 πραξεις σε μια συναρτηση και μου εβγαλε μονο το αποτέλεσμα της
            πρωτης
         print("mitsos", 1, True)
In [90]:
         mitsos 1 True
          print ("mitsos")
In [91]:
          print ("kostas")
         mitsos
         kostas
          print("mitsos")
In [92]:
         mitsos
          return("mitsos")
In [93]:
           File "<ipython-input-93-4de9bd7a78c4>", line 1
              return("mitsos")
          SyntaxError: 'return' outside function
```

```
In [94]: def f(x):
              return x+1
          a=f(3)
          print (a)
In [95]: def f(x):
              return x+1
              print ("mitsos")
In [97]: a=f(3)
         def f(a,b):
In [98]:
              return a+b
         f(4,5)
In [99]:
Out[99]: 9
             ax^2 + bx + c = 0
In [100...
          def f(a,b):
              return a+1, b-2
          k,1 = f(5,4)
In [101...
Out[101... 6
In [102...
Out[102... 2
In [108...
         a=2
          if a>3:
             print ("mitsos")
              print ("kostas")
In [109...
          a=2
          print (a>3)
          False
In [107...
          a=2
          if a>3:
              print ("mitsos")
          print ("kostas")
          kostas
```

```
In [114...
          # Έλεγχος αν ένας αριθμός είναι στο διάστημα: 50,150
          a=120
          if a>=50 and a<=150:
               print ('inside')
          inside
Ιπ [116... | # Έλεγχος αν ένας αριθμός ΔΕΝ είναι στο διάστημα 50,150
          if not (a>=50 and a<=150):</pre>
              print ('outside')
          outside
          a=100
In [119...
          if a < 50 or a > 150:
               print ('outside')
 In [ ]:
In [120...
          a=2
          if a>3:
               print ("mitsos")
          a=3
In [125...
          if a>=3:
              print ("mitsos")
           if a<=3:
               print ('kwstas')
          #else:
             print ("kwstas")
          mitsos
          kwstas
In [126...
          a=3
          if a>=3:
               print("mitsos")
               print('kostas')
          mitsos
          a=4
In [129...
          if a%2==0:
               print('zugos')
          else:
               print('monos')
          zugos
          11%2
In [131...
Out[131... 1
```

```
bmi = 20
In [149...
           if bmi<=20:
               print ("lipovaris")
           if bmi>=20 and bmi<=30:</pre>
               print ('normal')
           if bmi>=30:
               print ('overweight')
          lipovaris
          normal
In [144...
           bmi = 20
           if bmi<=20:
               print ("lipovaris")
           elif bmi>=20 and bmi<=30:</pre>
               print ('normal')
           elif bmi>=30 and bmi<100:</pre>
               print ('overweight')
In [148...
          bmi = 20
           if bmi<=20:
               print ("lipovaris")
           elif bmi>=20 and bmi<=30:</pre>
               print ('normal')
           else:
               print ('overweight')
          lipovaris
In [150...
           def f(n):
               return n82==0
In [151...
           f(5)
Out[151... False
In [152...
           f(4)
Out[152... True
In [153...
           def f(n):
               if n%2==0:
                    return True
               else:
                    return False
           a = b > 3
In [154...
           if b>3:
 In [ ]:
               a=True
           else:
               a=False
```