```
In [1]: students = [
            'student 1',
            'student 2',
        ]

        import random
        def pick():
            return random.choice(students)
```

```
In [2]: pick()
```

```
Out[2]: 'student 2'
```

Τελεστές

- +
- -
- /
- //
- *
- %
- **
- <
- >
- <=
- >=
- !=
- ==
- not
- in
- is

```
In [9]: 5%2
```

```
Out[9]: 1
```

```
In [11]: 10%3
```

```
Out[11]: 1
```

```
In [14]: 25%5
```

```
Out[14]: 0
```

```
In [21]: pick()
```

```
Out[21]: 'Έλσα'
```

```
In [16]: 5<3
```

```
Out[16]: False
```

```
In [17]: 'Αθανασία' < 'Μαρία'
```

```
Out[17]: True
```

```
In [20]: 'Αλεξανδρος' < 'Αλεξανδρα'
```

Out[20]: False

```
In [22]: True > False
```

Out[22]: True

```
In [23]: 2 != 1+1
```

Out[23]: False

```
In [26]: pick()
```

Out[26]: 'Άρτεμις'

```
In [25]: 3 != 3.0000000000001
```

Out[25]: True

```
In [27]: 3 != 3.0
```

Out[27]: False

```
In [28]: 'Μήτσος' != 'Μήτσο' + 'ς'
```

Out[28]: False

```
In [29]: True != 1
```

Out[29]: False

```
In [30]: True + True != 2
```

Out[30]: False

```
In [31]: pick()
```

Out[31]: 'Μαρία'

```
In [32]: 3 == 5-2
```

Out[32]: True

```
In [33]: 3 == 3.0
```

Out[33]: True

```
In [54]: pick()
```

Out[54]: 'Κλάρα'

```
In [ ]:
```

```
In [36]: #    ΑΠΟΘΗΚΕΥΣΕ ΤΟ ΕΔΩ    =    ΥΠΟΛΟΓΙΣΕ ΤΙ ΒΡΙΣΚΕΤΑΙ ΕΔΩ
```

```
In [45]: a = 3+2
```

```
In [44]: a
```

Out[44]: 5

```
In [46]:  4
          5
          6
```

Out[46]: 6

```
In [47]:  print (4)
          print (5)
          print (6)

          4
          5
          6
```

```
In [49]:  'Αλέξανδρος' == 'Αλεξάνδρα'
```

Out[49]: False

```
In [52]:  3**2
```

Out[52]: 9

```
In [53]:  'αλέ' in 'αλέξανδρος'
```

Out[53]: True

```
In [55]:  'h' in 'heraklion'
```

Out[55]: True

```
In [57]:  'h' in 'Athens'
```

Out[57]: True

```
In [59]:  'h' in 'Patra'
```

Out[59]: False

```
In [64]:  pick()
```

Out[64]: 'Αιμίλιος'

```
In [60]:  'h' in 'h'
```

Out[60]: True

```
In [61]:  'h' in 'H'
```

Out[61]: False

```
In [63]:  3 in 33
```

```
          ---------------------------------------------------------------------------
          TypeError                                 Traceback (most recent call last)
          <ipython-input-63-7a3462dd7e56> in <module>()
          ----> 1 3 in 33

          TypeError: argument of type 'int' is not iterable
```

```
In [65]: 3 in '33'
```

```
---------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-65-5e6f0dfc6b4b> in <module>()
----> 1 3 in '33'

TypeError: 'in <string>' requires string as left operand, not int
```

```
In [66]: '3' in '34'
```
Out[66]: True

```
In [67]: '3' in '33333333333'
```
Out[67]: True

```
In [68]: '3' in '4444444444443'
```
Out[68]: True

```
In [69]: '323u47523874562387462345234'.count('3')
```
Out[69]: 6

```
In [70]: a = 'μήτσος'
         b = 'μήτσος'
```

```
In [78]: pick()
```
Out[78]: 'Πολίνα'

```
In [72]: a == b
```
Out[72]: True

```
In [73]: a is b
```
Out[73]: False

```
In [74]: c = b
```

```
In [75]: c is b
```
Out[75]: True

```
In [77]: c
```
Out[77]: 'μήτσος'

```
In [79]: b
```
Out[79]: 'μήτσος'

```
In [80]: c += ' 2'
```

```
In [81]: c
```
Out[81]: 'μήτσος 2'

```
In [82]: b
```

```
Out[82]: 'μήτσος'
```

```
In [83]: b is c
```

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

```
In [84]: type('μήτσος')
```

```
Out[84]: str
```

```
In [85]: type(3)
```

```
Out[85]: int
```

```
In [86]: type(4.4)
```

```
Out[86]: float
```

```
In [87]: type(True)
```

```
Out[87]: bool
```

```
In [89]: type(c)
```

```
Out[89]: str
```

```
In [88]: pick()
```

```
Out[88]: 'Γιάννης'
```

```
In [90]: type(None)
```

```
Out[90]: NoneType
```

```
In [91]: c
```

```
Out[91]: 'μήτσος 2'
```

```
In [92]: type(c) is str
```

```
Out[92]: True
```

```
In [93]: t = type(c) is str
```

```
In [94]: t
```

```
Out[94]: True
```

```
In [ ]: a = 3+4
```

```
In [96]: not True
```

```
Out[96]: False
```

```
In [97]: not False
```

```
Out[97]: True
```

```
In [99]: not 4
```

```
Out[99]: False
```

```
In [101]: not ''
```

```
Out[101]: True
```

```
In [103]: not not True
```

```
Out[103]: True
```

```
In [104]: pick()
```

```
Out[104]: 'Αθανασία'
```

```
In [105]: not not (True or False)
```

```
Out[105]: True
```

Λίστες

```
In [106]: [2,3,6]
```

```
Out[106]: [2, 3, 6]
```

```
In [107]: a = [2,3,6]
```

```
In [116]: pick()
```

```
Out[116]: 'Γιάννης'
```

```
In [111]: a[0]
```

```
Out[111]: 2
```

```
In [113]: a[2]
```

```
Out[113]: 6
```

```
In [110]: 'abc'[1]
```

```
Out[110]: 'b'
```

```
In [114]: a
```

```
Out[114]: [2, 3, 6]
```

```
In [115]: a = [2,3,4,5,4,3,4,5,6,7,8]
```

```
In [117]: a[-1]
```

```
Out[117]: 8
```

```
In [120]: pick()
```

```
Out[120]: 'Δανάη'
```

```
In [119]: a[1:4]
```
Out[119]: [3, 4, 5]

```
In [121]: a[1:7:2]
```
Out[121]: [3, 5, 3]

```
In [122]: a
```
Out[122]: [2, 3, 4, 5, 4, 3, 4, 5, 6, 7, 8]

```
In [125]: pick()
```
Out[125]: 'Έλσα'

```
In [124]: a[-1:-3:-1]
```
Out[124]: [8, 7]

```
In [126]: a[-1:-3:2]
```
Out[126]: []

```
In [127]: 'a;kjdfhalsdkjfghlaskdjfgh'[-1:-3:2]
```
Out[127]: ''

```
In [128]: a[1:5:-2]
```
Out[128]: []

```
In [130]: len([])
```
Out[130]: 0

```
In [139]: pick()
```
Out[139]: 'Δανάη'

```
In [132]: a = [1,5,'mitsos', [4,5,6], 9]
```

```
In [133]: len(a)
```
Out[133]: 5

```
In [136]: len([    []    ])
```
Out[136]: 1

```
In [138]: len([      []       ,      []    ])
```
Out[138]: 2

```
In [140]: len([[[[[[[[[[[[[[[[[[[[[[[]]]]]]]]]]]]]]]]]]]]]]])
```
Out[140]: 1

```
In [141]: a
```
Out[141]: [1, 5, 'mitsos', [4, 5, 6], 9]

```
In [144]: a[3]
```
Out[144]: [4, 5, 6]

```
In [145]: pick()
```
Out[145]: 'Αιμίλιος'

```
In [146]: a[3][1]
```
Out[146]: 5

```
In [147]: [[1,2,3], [4,5,6], [7,8,9]]
```
Out[147]: [[1, 2, 3], [4, 5, 6], [7, 8, 9]]

```
In [149]: [3,3,4,5,6,3,2].count(3)
```
Out[149]: 3

```
In [151]: [3,3,4,5,6,3,2].count(7)
```
Out[151]: 0

```
In [153]: 3 in [3,3,4,5,6,3,2]
```
Out[153]: True

```
In [189]: 7 in [3,3,4,5,6,3,2]
```
Out[189]: False

```
In [191]: 'Mitsos' in [3,3,4,5,6,3,2]
```
Out[191]: False

```
In [193]: 1 in [2, [1,2], 3]
```
Out[193]: False

```
In [196]: pick()
```
Out[196]: 'Έλσα'

```
In [195]: [1,2] in [2, [1,2], 3]
```
Out[195]: True

```
In [197]: [2,1] in [2, [1,2], 3]
```
Out[197]: False

```
In [204]: 3 in [1,2] in [2, [1,2], 3]
```
Out[204]: False

```
In [ ]: 1 in ([1,2] in [2, [1,2], 3])
```

```
In [199]: 1 in True
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-199-d3ff63f304dc> in <module>()
----> 1 1 in True

TypeError: argument of type 'bool' is not iterable
```

```
In [198]: 1+2+3
```
Out[198]: 6

```
In [210]: 1+(2+3)
```
Out[210]: 6

```
In [211]: (1+2)+3
```
Out[211]: 6

```
In [ ]:
```

```
In [214]: 1 in ([1,2] in [2, [1,2], 3])
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-214-bdb883244bcc> in <module>()
----> 1 1 in ([1,2] in [2, [1,2], 3])

TypeError: argument of type 'bool' is not iterable
```

```
In [215]: 1 in True
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-215-d3ff63f304dc> in <module>()
----> 1 1 in True

TypeError: argument of type 'bool' is not iterable
```

```
In [209]: 1 in [1,2] in 'Mi'
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-209-ec2c1b7a7d00> in <module>()
----> 1 1 in [1,2] in 'Mi'

TypeError: 'in <string>' requires string as left operand, not list
```

```
In [216]: 'in' in 'instrument'
```
Out[216]: True

```
In [217]: 3 in [1,2,3]
```
Out[217]: True

```
In [218]: a = [1,2,3]
```

```
In [220]: [1,2,3] + [4]
```
Out[220]: [1, 2, 3, 4]

```
In [221]: [1,2,3] + 4
```

```
---------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-221-a794e8cfa556> in <module>()
----> 1 [1,2,3] + 4

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

```
In [222]: [1,2,3] + [4,5,6]
```
```
Out[222]: [1, 2, 3, 4, 5, 6]
```

```
In [223]: a = [1,2,3]
```

```
In [224]: a += [4]
```

```
In [ ]: a += [4]
        a = [1,2,3] + [4]
```

```
In [226]: a = [4,5,6]
```

```
In [ ]:
```

```
In [ ]: [0,4,5,6]
```

```
In [227]: pick()
```
```
Out[227]: 'Ἄρτεμις'
```

```
In [228]: a = [0] + a
```

```
In [229]: a
```
```
Out[229]: [0, 4, 5, 6]
```

```
In [230]: a = [3,4,6,7]
```

```
In [ ]: [3,4,5,6,7]
```

```
In [231]: pick()
```
```
Out[231]: 'Μαρία'
```

```
In [233]: a[0:2]
```
```
Out[233]: [3, 4]
```

```
In [235]: a[2:]
```
```
Out[235]: [6, 7]
```

```
In [347]: a = 5 + 7
```

```
In [236]: a[0:2] + a[2:]
```
```
Out[236]: [3, 4, 6, 7]
```

```
In [237]: a[0:2] + [5] + a[2:]
```
```
Out[237]: [3, 4, 5, 6, 7]
```

```
In [238]: a[:2] + [5] + a[2:]
```
```
Out[238]: [3, 4, 5, 6, 7]
```

```
In [242]: a = [3,4,6,7]
```

```
In [243]: a.insert(2, 5)
```

```
In [244]: a
```
```
Out[244]: [3, 4, 5, 6, 7]
```

```
In [245]: a
```
```
Out[245]: [3, 4, 5, 6, 7]
```

```
In [246]: a = [3,4,6,7]
```

```
In [247]: pick()
```
```
Out[247]: 'Δανάη'
```

```
In [248]: a[2] = 100
```

```
In [249]: a
```
```
Out[249]: [3, 4, 100, 7]
```

```
In [250]: b =  'mitsos'
```

```
In [256]: a = [3,4,6,7]
```

```
In [253]: a = a[:-1]
```

```
In [ ]:
```

```
In [259]: help(a.remove)
```
```
Help on built-in function remove:

remove(value, /) method of builtins.list instance
    Remove first occurrence of value.

    Raises ValueError if the value is not present.
```

```
In [258]: a
```
```
Out[258]: [4, 6, 7]
```

```
In [261]: 3 >= 3
```
```
Out[261]: True
```

```
In [263]: [2,5] < [1,7]
```

```
Out[263]: False
```

```
In [265]: [2,5] < [3]
```

```
Out[265]: True
```

```
In [267]: [2,5] < [2,7]
```

```
Out[267]: True
```

```
In [268]: 'ae' < 'ak'
```

```
Out[268]: True
```

```
In [269]: 'ae' < 'b'
```

```
Out[269]: True
```

```
In [270]: [2,5] < [2,5,7]
```

```
Out[270]: True
```

```
In [271]: 'ab' < 'aba'
```

```
Out[271]: True
```

```
In [273]: [2,5] * 7
```

```
Out[273]: [2, 5, 2, 5, 2, 5, 2, 5, 2, 5, 2, 5, 2, 5]
```

```
In [274]: [2,5] * [2,5]
```

```
---------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-274-92d476b42311> in <module>()
----> 1 [2,5] * [2,5]

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

```
In [275]: [4] * 10
```

```
Out[275]: [4, 4, 4, 4, 4, 4, 4, 4, 4, 4]
```

```
In [276]: list('mitsos')
```

```
Out[276]: ['m', 'i', 't', 's', 'o', 's']
```

```
In [278]: list([4,5,6,7])
```

```
Out[278]: [4, 5, 6, 7]
```

```
In [280]: [1,2,3]
```

```
Out[280]: [1, 2, 3]
```

if

```
In [281]: if 3<4:
              print ('hello')

          hello
```

```
In [283]: if 4<3:
              print ('hello')
```

```
In [285]: print ('1')
          if 3<4:
              print ('hello')
          print ('2')

          1
          hello
          2
```

```
In [288]: print ('1')
          if 4<3:
              print ('hello')
          print ('2')

          1
          2
```

```
In [290]: print ('1')
          if 'Mitsos':
              print ('hello')
          print ('2')

          1
          hello
          2
```

```
In [292]: print ('1')
          if '':
              print ('hello')
          print ('2')

          1
          2
```

```
In [293]: print ('1')
          if []:
              print ('hello')
          print ('2')

          1
          2
```

```
In [295]: print ('1')
          if [[[[[[[[[[[[[[[[[[[[[[]]]]]]]]]]]]]]]]]]]]]] :
              print ('hello')
          print ('2')

          1
          hello
          2
```

In [299]:
```python
print ('1')
if True :
    print ('hello')
    print ('mitsos')
print ('2')
```

```
1
hello
mitsos
2
```

In [301]:
```python
print ('1')
if False :
    print ('hello')
print ('mitsos')
print ('2')
```

```
1
mitsos
2
```

In [305]:
```python
print ('1')
if True:
    print ('hello')

    if True:
        print ('Kostas')

    print ('mitsos')

print ('2')
```

```
1
hello
Kostas
mitsos
2
```

In [307]:
```python
print ('1')
if True:
    print ('hello')
    if True:
        print ('Kostas')

print ('2')
```

```
1
hello
Kostas
2
```

In [308]:
```python
if True:
    print ('hello')
```

```
hello
```

In [309]:
```python
if True:
                            print ('hello')
```

```
hello
```

In [310]:
```python
if True:
 print ('hello')
```

```
hello
```

```
In [314]: if True:
           print ('hello')
          print ('mitsos')
```

```
hello
mitsos
```

```
In [315]: a       =       5+      7
```

```
In [316]: a=5+7
```

```
In [ ]:
```

```
In [300]: pick()
```

```
Out[300]: 'Έλσα'
```

```
In [303]: from __future__ import braces
```

```
  File "<ipython-input-303-b9e031678f96>", line 1
    from __future__ import braces
                                 ^
SyntaxError: not a chance
```

```
In [348]: if True:
          print ('Hello')
```

```
Hello
```

```
In [351]: print ('1')
          if True:
              print ('Hello')
          print ('2')
```

```
1
Hello
2
```

```
In [353]: print ('1')
          if True:

          print ('2')
```

```
  File "<ipython-input-353-3c9ad418f11c>", line 4
    print ('2')
        ^
IndentationError: expected an indented block
```

```
In [354]: print ('1')
          if True:
              pass
          print ('2')
```

```
1
2
```

```
In [355]: pass
```

In [357]:
```python
print ('1')
if True:
    print ("hello")
else:
    print ('Mitsos')
print ('2')
```

```
1
hello
2
```

In [359]:
```python
print ('1')
if False:
    print ("hello")
else:
    print ('Mitsos')
print ('2')
```

```
1
Mitsos
2
```

In [ ]:
```python
print ('1')

if True:
    print ("hello")

print ('2')
```

In [360]:
```python
print ('hello')
 print ('mitsos')
```

```
  File "<ipython-input-360-6e383a2739d3>", line 2
    print ('mitsos')
    ^
IndentationError: unexpected indent
```

In [362]:
```python
    print ('hello')
    print ('mitsos')
```

```
hello
mitsos
```

In [365]:
```python
print ('hello')
a=1
if a==1:
    print ('mitsos')
else:
    print ('maria')
print ('kostas')
```

```
hello
mitsos
kostas
```

In [367]:
```python
print ('hello')
a=2
if a==1:
    print ('mitsos')
else:
    print ('maria')
print ('kostas')
```

```
hello
maria
kostas
```

In [368]:
```python
print ('hello')
a=2
if a==1:
    print ('mitsos')
elif a==2:
    print ('elenh')
else:
    print ('maria')
print ('kostas')
```

```
hello
elenh
kostas
```

In [370]:
```python
print ('hello')
a=3
if a==1:
    print ('mitsos')
elif a==2:
    print ('elenh')
print ('kostas')
```

```
hello
kostas
```

In [372]:
```python
print ('hello')
a=3
if a==1:
    print ('mitsos')
elif a==2:
    print ('elenh')
elif a==3:
    print ('dhmhtrhs')
print ('kostas')
```

```
hello
dhmhtrhs
kostas
```

while

In [383]:
```python
a=1
while a<10:
    print (a)
    a+=1
print ('mitsos')
print (a)
```

```
1
2
3
4
5
6
7
8
9
mitsos
10
```

In [384]:
```python
a=1

while a<100:
    if a%2 == 1:
        print (a)
    a+=1
```

```
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
43
45
47
49
51
53
55
57
59
61
63
65
67
69
71
73
75
77
79
81
83
85
87
89
91
93
95
97
99
```

In [382]:
```python
a=1
a += 1
print (a)
```

```
2
```

In [380]:
```python
pick()
```

Out[380]: 'Πολίνα'

In [385]:
```python
a = 1
while a<=10:
    print (a*8)
    a+=1
```

```
8
16
24
32
40
48
56
64
72
80
```

In [387]:
```python
a = 0
while a<=10:
    print (a*8)
    a+=1
```

```
0
8
16
24
32
40
48
56
64
72
80
```

In [393]:
```python
a=30
b=40
print ('Mitsos is', a, ' years old and his brother is', b)
```

```
Mitsos is 30  years old and his brother is 40
```

In [396]:
```python
a = 1
while a<=10:
    print (a, 'fores to 8 mas kanei', a*8)
    a+=1
```

```
1 fores to 8 mas kanei 8
2 fores to 8 mas kanei 16
3 fores to 8 mas kanei 24
4 fores to 8 mas kanei 32
5 fores to 8 mas kanei 40
6 fores to 8 mas kanei 48
7 fores to 8 mas kanei 56
8 fores to 8 mas kanei 64
9 fores to 8 mas kanei 72
10 fores to 8 mas kanei 80
```

```
In [400]: a = 1
          while a<=10:
              b=1
              while b<=10:
                  print (a, 'fores to ', b, ' mas kanei', a*b)
                  b+=1
              a+=1
```

```
1 fores to   1   mas kanei 1
1 fores to   2   mas kanei 2
1 fores to   3   mas kanei 3
1 fores to   4   mas kanei 4
1 fores to   5   mas kanei 5
1 fores to   6   mas kanei 6
1 fores to   7   mas kanei 7
1 fores to   8   mas kanei 8
1 fores to   9   mas kanei 9
1 fores to  10   mas kanei 10
2 fores to   1   mas kanei 2
2 fores to   2   mas kanei 4
2 fores to   3   mas kanei 6
2 fores to   4   mas kanei 8
2 fores to   5   mas kanei 10
2 fores to   6   mas kanei 12
2 fores to   7   mas kanei 14
2 fores to   8   mas kanei 16
2 fores to   9   mas kanei 18
2 fores to  10   mas kanei 20
3 fores to   1   mas kanei 3
3 fores to   2   mas kanei 6
3 fores to   3   mas kanei 9
3 fores to   4   mas kanei 12
3 fores to   5   mas kanei 15
3 fores to   6   mas kanei 18
3 fores to   7   mas kanei 21
3 fores to   8   mas kanei 24
3 fores to   9   mas kanei 27
3 fores to  10   mas kanei 30
4 fores to   1   mas kanei 4
4 fores to   2   mas kanei 8
4 fores to   3   mas kanei 12
4 fores to   4   mas kanei 16
4 fores to   5   mas kanei 20
4 fores to   6   mas kanei 24
4 fores to   7   mas kanei 28
4 fores to   8   mas kanei 32
4 fores to   9   mas kanei 36
4 fores to  10   mas kanei 40
5 fores to   1   mas kanei 5
5 fores to   2   mas kanei 10
5 fores to   3   mas kanei 15
5 fores to   4   mas kanei 20
5 fores to   5   mas kanei 25
5 fores to   6   mas kanei 30
5 fores to   7   mas kanei 35
5 fores to   8   mas kanei 40
5 fores to   9   mas kanei 45
5 fores to  10   mas kanei 50
6 fores to   1   mas kanei 6
6 fores to   2   mas kanei 12
6 fores to   3   mas kanei 18
6 fores to   4   mas kanei 24
6 fores to   5   mas kanei 30
6 fores to   6   mas kanei 36
6 fores to   7   mas kanei 42
6 fores to   8   mas kanei 48
6 fores to   9   mas kanei 54
6 fores to  10   mas kanei 60
7 fores to   1   mas kanei 7
7 fores to   2   mas kanei 14
7 fores to   3   mas kanei 21
7 fores to   4   mas kanei 28
7 fores to   5   mas kanei 35
7 fores to   6   mas kanei 42
7 fores to   7   mas kanei 49
7 fores to   8   mas kanei 56
```

In [401]:
```python
a=51234123
```

In [419]:
```python
%%timeit
len(str(a))
```

217 ns ± 12.2 ns per loop (mean ± std. dev. of 7 runs, 1000000 loops each)

In [423]:
```python
#%%timeit
a=51234123
c=0
upoloipo = a
while upoloipo != 0:
    upoloipo = upoloipo // 10
    c += 1
print (c)
```

8

In [424]:
```python
a = 'zabarakatranemia'
```

In [434]:
```python
len(a)
```

Out[434]: 16

In [431]:
```python
#%%timeit
a.count('a')
```

Out[431]: 6

In [437]:
```python
index = 0
c = 0
while index < len(a):
    if a[index] == 'a':
        c += 1
    index += 1
print (c)
#print (index)
```

6

In [438]:
```python
a = 'zabarakatranemia'
```

In [439]:
```python
a[::-1]
```

Out[439]: 'aimenartakarabaz'

In [447]:
```python
index = len(a)-1
anapodo = ''
while index >= 0:
    anapodo = anapodo + a[index]
    print (anapodo)
    index -= 1
print (anapodo)
```

```
a
ai
aim
aime
aimen
aimena
aimenar
aimenart
aimenarta
aimenartak
aimenartaka
aimenartakar
aimenartakara
aimenartakarab
aimenartakaraba
aimenartakarabaz
aimenartakarabaz
```

In [440]:
```python
a
```

Out[440]: 'zabarakatranemia'

In [446]:
```python
'' + a[len(a)-1] + a[len(a)-2] + a[len(a)-3]
```

Out[446]: 'aim'

In [436]:
```python
16<16
```

Out[436]: False

In [433]:
```python
pick()
```

Out[433]: 'Γιάννης'