Hello

HELLO

HELLO

- item1
- item2

In [33]:
```
import random
students = [
    'Tzwrtzina',
    'Andreas',
    'Xristos',
    'Andromaxh',
    'Danah',
    'Antwnia',
    'Aris',
    'Maria',
    'Sofia',
    'Iwanna',
    'Aggelos',
]

def random_student():
    return random.choice(students)
```

In [60]:
```
random_student()
```

Out[60]: 'Aggelos'

In [61]:
```
rs = random_student
```

In [36]:
```
1+2
```

Out[36]: 3

In [37]:
```
1.5 + 5.4
```

Out[37]: 6.9

In [38]:
```
(1.5 + 5.4)/2.3
```

Out[38]: 3.0000000000000004

In [42]:
```
'1' + '2'
```

Out[42]: '12'

In [43]:
```
'Αλέξανδρος'[0]
```

Out[43]: 'Α'

In [45]:
```
'Αλέξανδρος'[3]
```

Out[45]: 'ξ'

In [46]:
```
'a' + 4
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-46-833c9ffc6e69> in <module>()
----> 1 'a' + 4

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

In [47]:
```
'a' * 4
```

Out[47]: 'aaaa'

In [48]:
```
'hello ' * 10
```

Out[48]: 'hello hello hello hello hello hello hello hello hello hello '

In [49]:
```
len('hello')
```

Out[49]: 5

In [51]:
```
len('257')
```

Out[51]: 3

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

Out[52]: 0

In [53]:
```
'' * 100
```

Out[53]: ''

In [54]:
```
'hello'.upper()
```

Out[54]: 'HELLO'

In [55]:
```
'HelLo'.lower()
```

Out[55]: 'hello'

In [56]:
```
'Helllo'.count('l')
```

Out[56]: 3

In [57]:
```
'Helllo'.count('He')
```

Out[57]: 1

In [58]:
```
'Hello'[0]
```

Out[58]: 'H'

In [59]:
```
'Hello'[1]
```

Out[59]: 'e'

In [62]:
```
rs()
```

Out[62]: 'Antwnia'

In [65]:
```
'Hello'[223]
```

```
---------------------------------------------------------------------------
IndexError                                Traceback (most recent call last)
<ipython-input-65-6494fc164984> in <module>()
----> 1 'Hello'[223]

IndexError: string index out of range
```

In [66]:
```
'Hello'[-1]
```

Out[66]: 'o'

In [67]:
```
'Hello'[-2]
```

Out[67]: 'l'

In [69]:
```
'Hello'[0:2]
```

Out[69]: 'He'

In [71]:
```
'Hello'[1:3]
```

Out[71]: 'el'

In [72]:
```
'Hello'[1:]
```

Out[72]: 'ello'

In [74]:
```
'Hello'[1:-1]
```

Out[74]: 'ell'

In [75]:
```
'Hello'[-1:-3]
```

Out[75]: ''

In [82]:
```
'Heraklion'[1:8]
```

Out[82]: 'eraklio'

In [84]:
```
'Heraklion'[1:8:2]
```

Out[84]: 'ealo'

In [85]:
```
'Heraklion'[1:8:3]
```

Out[85]: 'eko'

In [86]:
```
'Hello'[-1:-3:-1]
```

Out[86]: 'ol'

In [87]:
```
'Heraklion'[-1:1:-2]
```

Out[87]: 'nikr'

In [88]:
```
'Heraklion'[-3:-1:]
```

Out[88]: 'io'

In [89]:
```
'Hello'[-1:-3]
```

Out[89]:
```
''
```

In [ ]:
```
S
```

In [91]:
```
'Heraklion'.index('r')
```

Out[91]:
```
2
```

In [92]:
```
'Heraklion'.index('rak')
```

Out[92]:
```
2
```

In [95]:
```
'Heraklion'.index('hello')
```

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
<ipython-input-95-1019393fdce2> in <module>()
----> 1 'Heraklion'.index('hello')

ValueError: substring not found
```

In [96]:
```
'Heraklion'.count('hello')
```

Out[96]:
```
0
```

In [97]:
```
'asdfasf  Αλέξανδρος  عام ساسكس غرب ،كرولي في تكوينها تم ،إنجليزية'
```

Out[97]:
```
'asdfasf  Αλέξανδρος  عام ساسكس غرب ،كرولي في تكوينها تم ،إنجليزية'
```

In [98]:
```
"\U0001F621"
```

Out[98]:
```
'😡'
```

a--> 0011 0001
b--> 0011 0010

In [ ]:
```
'Helllo'.count('l')
```

In [93]:
```
'Hello'.index('l')
```

Out[93]:
```
2
```

In [99]:
```
rs()
```

Out[99]:
```
'Maria'
```

In [ ]:
```
0 0
0 1
1 0
1 1
```

In [ ]:
```
256
```

In [ ]:
```

```

In [100]:
```
rs()
```
Out[100]: 'Aggelos'

In [101]:
```
9 / 2
```
Out[101]: 4.5

In [102]:
```
9 // 2
```
Out[102]: 4

In [103]:
```
9. // 2
```
Out[103]: 4.0

In [105]:
```
rs()
```
Out[105]: 'Iwanna'

In [106]:
```
10 % 3
```
Out[106]: 1

In [ ]:
```

```

In [41]:
```
1 + 2
```
Out[41]: 3

In [107]:
```
len('asdfasdfasdf')
```
Out[107]: 12

In [108]:
```
print('Hello')
```
```
Hello
```

In [109]:
```
'Hello'
```
Out[109]: 'Hello'

In [110]:
```
print('Hello')
```
```
Hello
```

In [112]:
```
print(15)
```
```
15
```

In [113]:
```
print ('Hello', 15)
```
```
Hello 15
```

In [114]:
```
print ('Hello', 15, 7,8,'Gello')
```
```
Hello 15 7 8 Gello
```

In [115]:
```
# kfdghdkjkghflsdkjfhgsldkfjghlsdkjfghlsdkjfghlsdkjfghds kjfgh
```

In [116]:
```
print ('hello') # This command prints hello
```
```
hello
```

In [117]:
```
a=5
```

In [119]:
```
print(a)
```
```
5
```

In [118]:
```
rs()
```
Out[118]:
```
'Danah'
```

In [120]:
```
print(a+2)
```
```
7
```

In [121]:
```
b = a
```

In [122]:
```
print(b)
```
```
5
```

In [123]:
```
a = a + 1
```

In [124]:
```
print(a)
```
```
6
```

In [125]:
```
b = a
```

In [126]:
```
a = a + 1
```

In [127]:
```
a = 3
```

In [128]:
```
a = 'mitsos'
```

In [129]:
```
a = 7.7
```

In [131]:
```
a = 34134134123412341234123412349876987698769876987698769879876587654897658976
5975987698769876987698769876987698769876987698769876986
```

In [132]:
```
a + 1
```
Out[132]:
```
34134134123412341234123412349876987698769876987698769879876587654897658976597
5987698769876987698769876987698769876987698769876987
```

In [133]:
```
213412341234123412341234123412341234123412341234.1234123412341234123412341234123412
34
```
Out[133]:
```
2.134123412341234e+47
```

In [134]:
```
rs()
```
Out[134]:
```
'Andreas'
```

In [135]:
```
10e2
```

Out[135]:
```
1000.0
```

In [ ]:
```
10 * (10^2)
```

In [130]:
```
rs()
```

Out[130]:
```
'Sofia'
```

In [136]:
```
0.00000000000000000000000000000000023452345
```

Out[136]:
```
2.3452345e-34
```

In [137]:
```
2.34 * 10**(-34)
```

Out[137]:
```
2.3399999999999998e-34
```

In [138]:
```
rs()
```

Out[138]:
```
'Xristos'
```

In [139]:
```
3**2
```

Out[139]:
```
9
```

In [ ]:
```

```