In [109…
```
   6 + 7
```
Out[109… 13

In [2]:
```
6 - 7
```
Out[2]: -1

In [3]:
```
6 * 7
```
Out[3]: 42

In [4]:
```
6+4 * 7
```
Out[4]: 34

In [5]:
```
6 + 4*7
```
Out[5]: 34

In [6]:
```
6 + 4 * 7
```
Out[6]: 34

In [7]:
```
(6 + 4) * 7
```
Out[7]: 70

In [8]:
```
_2
```
Out[8]: -1

In [9]:
```
_6
```
Out[9]: 34

In [10]:
```
6 + 8.3 + 7.1 * 8
```
Out[10]: 71.1

In [13]:
```
5 + 6 * 18
```
Out[13]: 113

In [14]:
```
_10 / _13
```
Out[14]: 0.6292035398230088

In [15]:
```
5 ** 2
```
Out[15]: 25

In [16]:
```
5^2
```

Out[16]: 7

In [17]:
```
23 % 5
```

Out[17]: 3

In [18]:
```
26 % 5
```

Out[18]: 1

In [19]:
```
26 // 5
```

Out[19]: 5

In [20]:
```
26 / 5
```

Out[20]: 5.2

In [21]:
```
26 // 7
```

Out[21]: 3

In [22]:
```
from math import *
```

In [23]:
```
sqrt(25)
```

Out[23]: 5.0

In [24]:
```
sin(3.14)
```

Out[24]: 0.0015926529164868282

In [25]:
```
pow(5, 2)
```

Out[25]: 25.0

In [26]:
```
4 + sqrt(20 + 5)
```

Out[26]: 9.0

In [27]:
```
sin(4 + sqrt(20 + 5))
```

Out[27]: 0.4121184852417566

In [28]:
```
x = 5 + 8
```

In [29]:
```
x + 4
```

Out[29]: 17

In [30]:
```
x
```

Out[30]: 13

In [112…
```
a = 5
b      = a   +   4
c = a * b
c
```

```
  Cell In[112], line 2
    b      = a   +   4
    ^
IndentationError: unexpected indent
```

In [32]:
```
e = f * g
f = 2
g = 6
e
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[32], line 1
----> 1 e = f * g
      2 f = 2
      3 g = 6

NameError: name 'f' is not defined
```

In [33]:
```
x
```

Out[33]: 13

In [34]:
```
demšar = 5
```

In [35]:
```
янез = 6
```

In [36]:
```
янез
```

Out[36]: 6

In [37]:
```
stevilo_gob = 56
```

In [38]:
```
x1 = 5
y1 = 4
x2 = 1
y2 = 3
```

In [40]:
```
5 ** 2
```

Out[40]: 25

In [41]:
```
sqrt((x1 - x2) ** 2 + (y1 - y2) ** 2)
```

Out[41]: 4.123105625617661

In [42]:
```
Janez = 6
```

In [43]:
```
janez
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[43], line 1
----> 1 janez

NameError: name 'janez' is not defined
```

In [44]:
```
7 = u
```

```
  Cell In[44], line 1
    7 = u
    ^
SyntaxError: cannot assign to literal here. Maybe you meant '==' instead of '='?
```

In [45]:
```
5 / 0
```

```
---------------------------------------------------------------------------
ZeroDivisionError                         Traceback (most recent call last)
Cell In[45], line 1
----> 1 5 / 0

ZeroDivisionError: division by zero
```

In [48]:
```
5 / (x - 14)
```

```
---------------------------------------------------------------------------
ZeroDivisionError                         Traceback (most recent call last)
Cell In[48], line 1
----> 1 5 / (x - 14)

ZeroDivisionError: division by zero
```

In [47]:
```
x = 14
```

In [49]:
```
sqrt(-5)
```

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
Cell In[49], line 1
----> 1 sqrt(-5)

ValueError: math domain error
```

In [52]:
```
sqrt(x1 - x2, )
```

Out[52]: 2.0

In [53]:
```
1 + 1
```

Out[53]: 2

In [54]:
```
sqrt(4)
```

Out[54]: 2.0

In [55]:
```
1 + 1
```

Out[55]: 2

In [56]:
```
4 / 2
```

Out[56]: 2.0

In [57]:
```
4 // 2
```

Out[57]: 2

In [58]:
```
1.8 + 0.2
```

Out[58]: 2.0

In [61]:
```
vreme = "Danes sije sonce"
```

In [62]:
```
sqrt(vreme)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[62], line 1
----> 1 sqrt(vreme)

TypeError: must be real number, not str
```

In [66]:
```
vzorec = "Danes sije"
nebesno = "lu"
telo = "č"

vzorec + " " + nebesno + telo
```

Out[66]: 'Danes sije luč'

In [67]:
```
nebesno + nebesno + nebesno
```

Out[67]: 'lululu'

In [68]:
```
nebesno * 3
```

Out[68]: 'lululu'

In [69]:
```
nebesno * (6 // 2)
```

Out[69]: 'lululu'

In [70]:
```
nebesno * (6 / 2)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[70], line 1
----> 1 nebesno * (6 / 2)

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

In [71]:
```
a = "1"
b = "2"

a + b
```

Out[71]: '12'

In [72]:
```
a + 2
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[72], line 1
----> 1 a + 2

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

In [73]:
```
2 + a
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[73], line 1
----> 1 2 + a

TypeError: unsupported operand type(s) for +: 'int' and 'str'
```

In [74]:
```
a
```

Out[74]: '1'

In [75]:
```
b
```

Out[75]: '2'

In [76]:
```
int("42")
```

Out[76]: 42

In [77]:
```
int(3.14)
```

Out[77]: 3

In [78]:
```
int(sqrt)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[78], line 1
----> 1 int(sqrt)

TypeError: int() argument must be a string, a bytes-like object or a real number, not 'builtin_function_or_method'
```

In [79]:
```
str(3.14)
```

Out[79]: '3.14'

In [80]:
```
temp = 23
```

In [81]:
```
vreme = "Danes je " + temp + " stopinj"
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[81], line 1
----> 1 vreme = "Danes je " + temp + " stopinj"

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

In [82]:
```
a
```

Out[82]: '1'

In [83]:
```
b
```

Out[83]: '2'

In [84]:
```
int(a) + int(b)
```

Out[84]: 3

In [85]:
```
vreme = "Danes je " + str(temp) + " stopinj"
```

In [86]:
```
vreme
```

Out[86]: 'Danes je 23 stopinj'

In [87]:
```
int()
```

Out[87]: 0

In [88]:
```
print("Danes je", temp, "stopinj.", "Res je lepo vreme. Koren iz 4 je", s
```

```
Danes je 23 stopinj. Res je lepo vreme. Koren iz 4 je 2.0
```

In [89]:
```
input("Vnesi temperaturo:")
```

```
Vnesi temperaturo:23
```

Out[89]: '23'

In [90]:
```
5 + 2
```

Out[90]: 7

In [91]:
```
5 - 7
```

Out[91]: -2

In [93]:
```
temp_c = float(input("Vnesi temperaturo: "))
temp_f = (temp_c - 32) * 5 / 9
print(temp_c, "Celzijev je", temp_f, "Fahrenheitov")
```

```
Vnesi temperaturo: 23
23.0 Celzijev je -5.0 Fahrenheitov
```

In [97]:
```
masa = int(input("Vnesi težo: "))
visina = float(input("Vnesi višino: "))
bmi = masa / visina ** 2
print("Teža: ", masa, "Višina: ", visina, "BMI: ", round(bmi, 2))
```

```
Vnesi težo: 76
Vnesi višino: 1.86
Teža:  76 Višina:  1.86 BMI:  21.97
```

In [99]:
```
f = open("podatki.txt")
```

In [116…
```
s = ""
for vrstica in open("podatki.txt"):
    s = s + vrstica
print(s)
```

```
Ana 56 158
Berta 62 164
Cilka 78 185
Dani 67 160
```

In [107…
```
print(s)
```

```
Ana 56 158
Berta 62 164
Cilka 78 185
Dani 67 160
```

In [117…
```
out = 5
```

In [119…

```
  Cell In[119], line 1
    for = 4
        ^
SyntaxError: invalid syntax
```

In [145…
```
s = "Ana      56  158"
```

In [125…
```
s.split
```

Out[125…
```
<function str.split(sep=None, maxsplit=-1)>
```

In [136…
```
ime, teza, visina = s.split()
```

In [137…
```
ime
```

Out[137…
```
'Ana'
```

In [138…
```
teza
```

Out[138…
```
'56'
```

In [139…
```
visina
```

Out[139…
```
'158'
```

In [177…
```
for vrstica in open("podatki.txt"):
    ime, teza, visina = vrstica.split()
    teza = int(teza)
    visina = int(visina)
    bmi = teza / (visina / 100) ** 2
    print(ime, bmi)
    if bmi > 23:
        print("ima previsok BMI")
    elif bmi < 16:
        print("takoj jest")
    elif bmi < 23:
        print("ok")
    else:
        print("Bingo")
    print()
```

```
  Cell In[177], line 12
    print(burek * burger))
                          ^
SyntaxError: unmatched ')'
```

In [172…
```
2 + 2 == 5
```

Out[172…
```
False
```

In [173…
```
2 + 2 == 4
```

Out[173… True

Sem pišem besedilo. Kar napišem, to je tu.

Tudi sem pišem besedilo, posebej, če je **pomembno**, če je *kr neki* pa ne.

Naslov

bla bla

1. prva točka je pomembnejša kot

   Tu je treba **povedati** še to.

   - In ono.
   - In tisto.

   

2. druga točka, ta pa vseeno bolj kot

3. tretja točka.

$$\int_{-\infty}^{a^2 - b}\sqrt{a^2 + (b - c)^2} dx$$

In [1]:
```
2 + 4
```

Out[1]: 6

In [2]:
```
35 + 7
```

Out[2]: 42

In [3]:
```
5 + 6
```

Out[3]: 11

Bese **dilo**

- nekaj
- besedila
- v to celico

In [ ]:
```

```

In [44]:
```
najdaljse_doslej = None
najvecja_stevilka = None

for a in range(2, 1001):
    count = 0
    x = a
    while x != 1:
        if x % 2 ==  0:
            x //= 2
        else:
            x *= 3
            x += 1
        count += 1

    if najdaljse_doslej == None or count > najdaljse_doslej:
        najdaljse_doslej = count
        najvecja_stevilka = a

print(najdaljse_doslej, najvecja_stevilka)
```

```
178 871
```

In [6]:
```
a = 15
```

In [7]:
```
a = a + 1
```

In [8]:
```
a
```

Out[8]:
```
16
```

In [9]:
```
a += 1
```

In [10]:
```
a
```

Out[10]:
```
17
```

In [11]:
```
a += 3
```

In [12]:
```
a
```

Out[12]:
```
20
```

In [13]:
```
a *= 6
```

In [14]:
```
a
```

Out[14]:
```
120
```

In [37]:
```
najvecja_doslej
```

Out[37]:
```
178
```

In [74]:
```
zaporedje = "AKJEHBIAVNUWTNPAADSDFAVFSVFJWVIWJTNAIGJANVPHJRIJGNVAO"
```

In [83]:
```
stevci = {}
for crka in zaporedje:
    if crka not in stevci:
        stevci[crka] = 0
    stevci[crka] += 1

print(stevci)
```

```
{'A': 8, 'K': 1, 'J': 6, 'E': 1, 'H': 2, 'B': 1, 'I': 4, 'V': 6, 'N': 5, '
U': 1, 'W': 3, 'T': 2, 'P': 2, 'D': 2, 'S': 2, 'F': 3, 'G': 2, 'R': 1, '
O': 1}
```

In [88]:
```
naj = -1
for x in stevci:
    if stevci[x] > naj:
        naj = stevci[x]
        naj_crka = x

print(naj, naj_crka)
```

```
8 A
```

In [90]:
```
podatki = {}
for vrstica in open("podatki.txt"):
    ime, teza, visina = vrstica.split()
    podatki[ime] = int(teza)

podatki
```

Out[90]:
```
{'Ana': 56, 'Berta': 62, 'Cilka': 78, 'Dani': 67}
```

In [91]:
```
imena = ["Ana", "Berta", "Cilka", "Dani", "Ema", "Fanči", "Greta", "Helga
```

In [92]:
```
imena
```

Out[92]:
```
['Ana', 'Berta', 'Cilka', 'Dani', 'Ema', 'Fanči', 'Greta', 'Helga']
```

for ime in imena: print(ime)

In [95]:
```
se_imen = ["Iva", "Jana"]
```

In [97]:
```
print(imena + se_imen)
```

```
['Ana', 'Berta', 'Cilka', 'Dani', 'Ema', 'Fanči', 'Greta', 'Helga', 'Iva',
'Jana']
```

In [98]:
```
imena
```

Out[98]:
```
['Ana', 'Berta', 'Cilka', 'Dani', 'Ema', 'Fanči', 'Greta', 'Helga']
```

In [99]:
```
imena[2]
```

Out[99]:
```
'Cilka'
```

In [100…
```
imena[0]
```

Out[100…
```
'Ana'
```

In [101…
```
len(imena)
```
Out[101…
```
8
```
In [105…
```
imena[7]
```
Out[105…
```
'Helga'
```
In [106…
```
imena[len(imena) - 1]
```
Out[106…
```
'Helga'
```
In [107…
```
imena[-1]
```
Out[107…
```
'Helga'
```
In [108…
```
imena[-2]
```
Out[108…
```
'Greta'
```
In [109…
```
niz = "Danes ne sije sonce"
```
In [113…
```
niz[-1]
```
Out[113…
```
'e'
```
In [114…
```
niz = "Q)C(VQ#TP($T=MGFPAQ)(VRTVN= UG)))"
```
In [121…
```
niz[-1]
```
Out[121…
```
')'
```
In [119…
```
t[-1]
```
Out[119…
```
217
```
In [122…
```
niz = "Danes ne sije sonce"
```
In [123…
```
imena = ["Ana", "Berta", "Cilka", "Dani", "Ema", "Fanči", "Greta", "Helga
```
In [124…
```
imena[2:5]
```
Out[124…
```
['Cilka', 'Dani', 'Ema']
```
In [125…
```
imena[2:-2]
```
Out[125…
```
['Cilka', 'Dani', 'Ema', 'Fanči']
```
In [126…
```
niz
```
Out[126…
```
'Danes ne sije sonce'
```

In [127…
```
niz[3:-4]
```

Out[127…
```
'es ne sije s'
```

In [128…
```
niz[3:]
```

Out[128…
```
'es ne sije sonce'
```

In [129…
```
niz[:-4]
```

Out[129…
```
'Danes ne sije s'
```

In [130…
```
niz
```

Out[130…
```
'Danes ne sije sonce'
```

In [131…
```
niz[-5:]
```

Out[131…
```
'sonce'
```

In [132…
```
niz[:4]
```

Out[132…
```
'Dane'
```

In [133…
```
int("56")
```

Out[133…
```
56
```

In [134…
```
float("456")
```

Out[134…
```
456.0
```

In [135…
```
str(4356)
```

Out[135…
```
'4356'
```

In [137…
```
list("Danes")
```

Out[137…
```
['D', 'a', 'n', 'e', 's']
```

In [139…
```
print(stevci)
```

```
{'A': 8, 'K': 1, 'J': 6, 'E': 1, 'H': 2, 'B': 1, 'I': 4, 'V': 6, 'N': 5, '
U': 1, 'W': 3, 'T': 2, 'P': 2, 'D': 2, 'S': 2, 'F': 3, 'G': 2, 'R': 1, '
O': 1}
```

In [140…
```
len(stevci)
```

Out[140…
```
19
```

In [141…
```
list(stevci)
```

Out[141…
```
['A',
 'K',
 'J',
 'E',
 'H',
 'B',
 'I',
 'V',
 'N',
 'U',
 'W',
 'T',
 'P',
 'D',
 'S',
 'F',
 'G',
 'R',
 'O']
```

In [147…
```
list(open("podatki.txt"))[2:-1]
```

Out[147…
```
['Ana      56  158\n',
 'Berta    62  164\n',
 'Cilka    78  185\n',
 'Dani     67  160\n']
```

In [148…
```
f = open("podatki.txt")
```

In [149…
```
f
```

Out[149…
```
<_io.TextIOWrapper name='podatki.txt' mode='r' encoding='UTF-8'>
```

In [152…
```
for vrstica in f:
    print(vrstica)
```

```
ime    teza visina

------------------

Ana      56  158

Berta    62  164

Cilka    78  185

Dani     67  160

------------------
```

In [153…
```
niz
```

Out[153…
```
'Danes ne sije sonce'
```

In [154…
```
niz.split()
```

Out[154… ['Danes', 'ne', 'sije', 'sonce']

In [156…
```
a, b, c, d = imena[:4]
```

In [ ]: