

Argumenti funkcij v Pythonu

`def f(x, y, z, ..., w)`
argumenti

1) Privzete vrednosti

`def f(x, y=7)`
privzeta vrednost
(default value)

`f(3, 5)`
↑ ↑
x y

`f(3)`
↑
x y=7

`def g(x, y=8, z)`
↑

bi morala imeti privzeto vrednost

`g(2, 6) ?` Ni dovolj

2) Pozicijski & imenovani argumenti Positional & keyword arguments

`def f(x, y, z):`
...
...

`f(1, 2, 3)` pozicijski

`f(y=2, x=1, z=3)`
imenovani

3) *args , **kwargs

`def f(x, y, *args)`
↑ ↑ ↑
1. arg 2. arg vsi ostali pozicijski
(seznam)

```
def f(x1, ..., xn, *args, **kwargs)
```

Iteratorji & generatorji

```
for i in [1, 2, 3]:
```

....

i = 1

i = 2

i = 3

```
for i in (1, 2, 3):
```

i = 1

i = 2

i = 3

```
for i in "foo":
```

i = "f"

i = "o"

i = "o"

```
for i in {'a': 7, 'b': 5}:
```

i = 'a'

i = 'b'

```
s = {'a': 5, 'b': 7}
```

```
for i in s.items():
```

i = ('a', 5)

i = ('b', 7)

```
for i in s.values():
```

i = 5

i = 7

```
for (x, y) in s.items():
```

x = 'a', y = 5

x = 'b', y = 7

```
for (x, y) in [(0, 3), (1, 6), (5, 7)]:
```

x = 0, y = 3

x = 1, y = 6

x = 5, y = 7

f datoteka

for i in f:

i gre po vrsticah iz datoteke

for vrstica in f:

for znak in vrstica:
...

znak gre po znakih v datoteki

Iterator: objekt, ki ima definirani metodi:

1) `--iter--(self)`: return self

2) `--next--(self)`:

- vrne naslednji element
- sproži izjemo `StopIteration`

for i in iterator:

Generator:

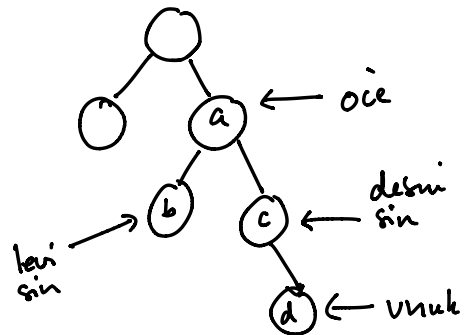
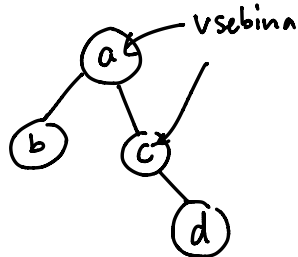
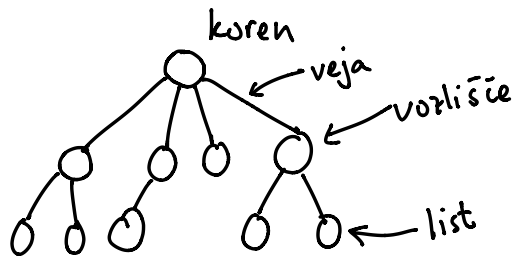
def f(x, ..., z):

`yield x`

yield x : naslednji element je x

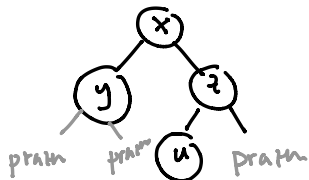
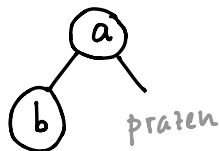
~~~~~ iterator

# Dvojiška Drevesa

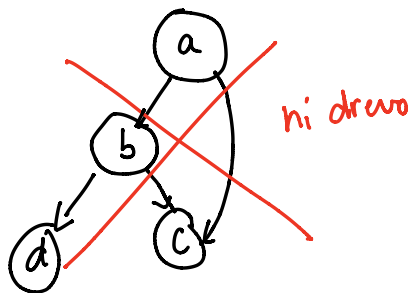
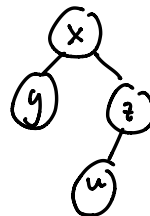
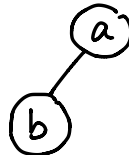


Dvojiško drevo: vsako vozlišče ima dva potomca.  
(do dva potomca)

## 1. Prazno drevo



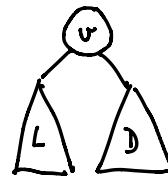
## 2. Nepravna drevesa



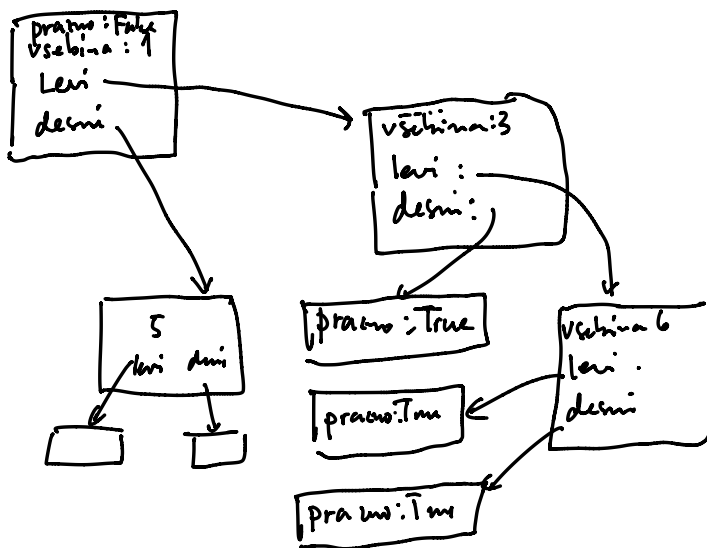
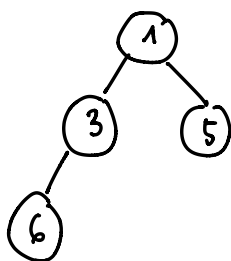
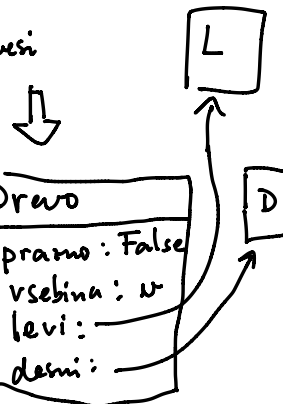
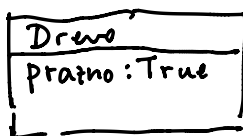
class Drvo():  
?

Pratno:

Sestavljenost:



L, D drevesi



pratno:

Drvo()



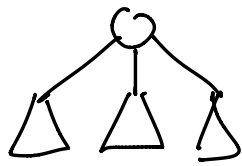
Drvo(1, levo=L, desno=D)



Drvo(2, levo=L)



Drvo(3)



ni dvojisto

~~Drugi~~

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