

Funkcije in λ

$$f: \mathbb{R} \rightarrow \mathbb{R}$$

$$f(x) = x^2 + 7$$

$$\mathbb{R} \rightarrow \mathbb{R}$$

$$x \mapsto x^2 + 7$$

```
def f(x):  
    return x**2+7
```

$$\text{math.sin}(f(8))$$

$$\text{lambda } x: x**2+7$$

$$b = \text{math.sin}(\underbrace{\text{math.sqrt}(7.5) + 8})$$

$$\begin{aligned} a &= \text{math.sqrt}(7.5) + 8 \\ b &= \text{math.sin}(a) \end{aligned}$$

def f():
.....

Uporaba:

Button("Pritisni me!", command = f)

command = (lambda:))

$$x \mapsto x^2 + 7$$

$$\hat{x} \cdot \hat{x} + 7$$

$$\hat{x} \cdot x^2 + 7$$

$$\lambda x. x^2 + 7$$

$$\lambda x. x^2 + 7$$

$$\lambda x. \lambda y. x^2 + 7y - 1$$

$$x \mapsto (y \mapsto x^2 + 7y - 1)$$

↑

$$f_x(y) = x^2 + 7y - 1$$

$$f_t(y) = t^2 + 7y - 1$$

$$\int_0^{\infty} \frac{ax}{1+(a+1)x^2} dx$$

$$f_a(x) = \frac{ax}{1+(a+1)x}$$

$$\int f_a(x) dx$$

Naloga:

Pritisci 1

Pritisci 2

⋮

Pritisci 10

for i in range(1,11):
g = Button(f"Pritisci

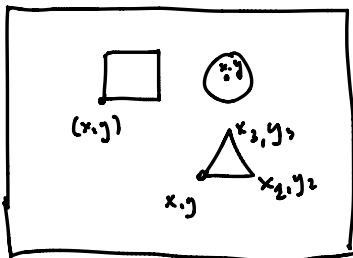
$\text{map}(f, [a_1, \dots, a_n]) = [f(a_1), f(a_2), \dots, f(a_n)]$

Dedovanje, nadrazredi & podrazredi

Pacient: ime
priimek
emso
⋮

Moshi

Ženska



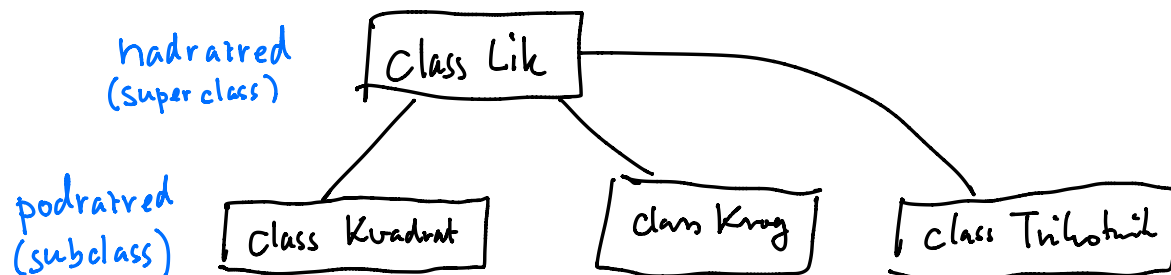
Lik:

x
y
barva

Krog:
polmer
def obseg

Kvadrat:
stranica
def obseg

Trikotnik:
x1
y1
x2
y2
x3
y3
def obseg



podrazred Kvadrat deduje metode od nadrazreda Lik

