**Dopravná značka**

import tkinter

canvas = tkinter.Canvas ... doplnte rozmery plátna....

canvas.pack()

canvas.create\_text(250, 20, text="Križovatka", font="Arial 30 bold")

canvas.create\_line(50,350,450,350,250,50,50,350,80,350, fill="red", width=30)

canvas.create\_polygon(50,350,450,350,250,50,50,350, fill="white")

canvas.create\_line(180,320,320,180,fill="black", width=20)

canvas.create\_line(180,180,320,320, fill="black", width=20)

**Obdĺžnik náhodne**

import tkinter

import random

canvas = tkinter.Canvas()

canvas.pack()

for i in range(5): ....doplnte príkaz pre opakovanie 5x .....

x = random.randint(10, 240)

y = random.randint(10, 180)

sirka, vyska = 140, 80

canvas.create\_rectangle(x, y, x + sirka, y + vyska)

**Farebné obdĺžniky**

import tkinter

canvas = tkinter.Canvas()

canvas.pack()

y = 100

farba1, farba2 = 'green', 'blue' ....doplnte príkazy pre určenie farby.....

for x in range(20, 350, 30):

canvas.create\_rectangle(x, y, x + 25, y + 50, fill=farba1)

farba1, farba2 = farba2, farba1

**Čiara z jedného bodu**

import tkinter

import random

canvas = tkinter.Canvas()

canvas.pack()

for i in range(100):

x = random.randint(20, 380)

y = random.randint(20, 260)

canvas.create\_line(0, 0, x, y) zmeňte súradnice pre vykreslenie z bodu

**Farebné kruhy**

import tkinter

import random

canvas = tkinter.Canvas()

canvas.pack()

for i in range(100):

x = random.randint(20, 350)

y = random.randint(20, 240)

r = 20

fill = f'#{random.randrange(256\*\*3):06x}'

canvas.create\_oval(x-r, y-r, x+r, y+r, fill=fill)

**Nočná obloha**

import tkinter

import random

canvas = tkinter.Canvas(bg='navy')

canvas.pack()

n = 200

for i in range(n):

x = random.randint(5, 370) doplnte príkaz pre náhodné hodnoty x

y = random.randint(5, 260)

vel = random.randint(10, 20)

canvas.create\_text(x, y, text='\*', fill='yellow', font=f'arial {vel}')

**Štvorce v sebe**

import tkinter

canvas = tkinter.Canvas()

canvas.pack()

n = 20

farba1, farba2, farba3 = 'red', 'blue', 'yellow' ....zadefinujte tri rôzne farby....

x, y = 190, 130

for i in reversed(range(5, 5 \* n + 1, 5)):

canvas.create\_rectangle(x - i, y - i, x + i, y + i, fill=farba1)

farba1, farba2, farba3 = farba2, farba3, farba1

**VLNOVKA**

import tkinter

canvas = tkinter.Canvas()

canvas.pack()

n = 16

x, y = 10, 100

d = 20

for i in range(n):

x1, y1 = x+abs(d), y+d ----doplnte príkazy pre vykreslenie ďalších vlnoviek

canvas.create\_line(x, y, x1, y1, width=5, fill='blue')

x, y = x1, y1

d = -d

**Kruhy s číslami**

import tkinter

import random

canvas = tkinter.Canvas()

canvas.pack()

n = 30

for i in range(n):

x = random.randint(20, 360)

y = random.randint(20, 240)

cislo = random.randint(1, 9)

farba = f'#{random.randrange(256\*\*3):06x}'

canvas.create\_oval(x - 20, y - 20, x + 20, y + 20, fill=farba) zmeňte veľkosť kruhov

canvas.create\_text(x, y, text=cislo, font='arial 30')