**ČASOVAČ, VYTVORENIE TLAČÍTKA II.A**

import tkinter

import random

canvas = tkinter.Canvas (height=600,width=600, bg="pink")

canvas.pack()

bezi = bezi1 = bezi2 = True

def kreslikruh():

x = random.randint(10, 200)

y = random.randint(10, 200)

canvas.create\_oval(x-10, y-10, x+10, y+10, fill="white")

if bezi:

canvas.after(1000, kreslikruh)

def kreslistvorec():

x = random.randint(200, 400)

y = random.randint(200, 400)

canvas.create\_rectangle(x-10, y-10, x+10, y+10, fill="blue")

if bezi1:

canvas.after(500, kreslistvorec)

def kruh():

global bezi

bezi = not bezi

if bezi:

kreslikruh()

def stvorcek():

global bezi1

bezi1 = not bezi1

if bezi1:

kreslistvorec()

def zmaz():

canvas.delete("all")

tkinter.Button(text="Kresli kruh", command=kruh).pack()

tkinter.Button(text="Kresli stvorcek", command=stvorcek).pack()

tkinter.Button(text="Zmaz platno", command=zmaz).pack()

kreslikruh()

kreslistvorec()

tkinter.mainloop()

**uloha: vytvorte dalsie tlacitko, kreslenie elipsy, polygonu, textu**

**ZDROJE:**

[**https://python.input.sk/z/10.html#casovac**](https://python.input.sk/z/10.html#casovac)

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y = random.randint(10, 200)

canvas.create\_oval(x-10, y-10, x+10, y+10, fill="white")

if bezi:

canvas.after(1000, kreslikruh)

def kreslistvorec():

x = random.randint(200, 400)

y = random.randint(200, 400)

canvas.create\_rectangle(x-10, y-10, x+10, y+10, fill="blue")

if bezi1:

canvas.after(500, kreslistvorec)

def kreslielipsa():

x = random.randint(400, 600)

y = random.randint(400, 600)

canvas.create\_oval(x-10, y-20, x+10, y+20, fill="yellow")

if bezi:

canvas.after(1500, kreslielipsa)

def kruh():

global bezi

bezi = not bezi

if bezi:

kreslikruh()

def stvorcek():

global bezi1

bezi1 = not bezi1

if bezi1:

kreslistvorec()

def elipsa():

global bezi2

bezi2 = not bezi2

if bezi2:

kreslielipsa()

def zmaz():

canvas.delete("all")

tkinter.Button(text="Kresli kruh", command=kruh).pack()

tkinter.Button(text="Kresli stvorcek", command=stvorcek).pack()

tkinter.Button(text="Kresli elipsa", command=elipsa).pack()

tkinter.Button(text="Zmaz platno", command=zmaz).pack()

kreslikruh()

kreslistvorec()

kreslielipsa()

tkinter.mainloop()