Introduction.

- 1. Network credentials: Laboratorium-IoT /
- 2. Github repository github.com/tocet/prog devices
- 3. Raspberry Pi pinout pinout/pin16_gpio23/

Task 1. Display an image.

Download a JPEG image. Save the image in the project folder. In necessary change either the name of the download file or the filename in the following code. Run the code.

```
from tkinter import *
from PIL import Image, ImageTk

wnd = Tk()
wnd.title('Images')

t_img = ImageTk.PhotoImage(Image.open("wsg_logo.jpg"))
label_img = Label(image=t_img)
label_img.pack()

button_exit = Button(wnd,text="Quit",command=wnd.quit)
button_exit.pack()

wnd.mainloop()
```

Task 2. Test the following code.

Task 3. Create an image viewer.

- an image should be visible in the main window;
- add at least 2 touch buttons to change the currently displayed image;
- the interface should have at least 3 buttons Next, Previous, Load Image;
- number of available images should be presented on the interface;
- number of the displayed image should be visible eg. 4/20

Attention: Presenting this solution is worth +1 (0.2 per implemented functionality) to the final course score.

For those interested:

1. Pillow documentation:

pillow.readthedocs.io/en/stable/

2. GPIO Zero documentation:

gpiozero.readthedocs.io/en/stable/installing.html