```
In [509... | import urllib.request
         import ssl
         ssl. create default https context = ssl. create unverified context
         from tkinter import *
         from tkinter.font import Font
         import cv2
         import numpy as np
         import tkinter as tk
In [510... #https://www.photofunny.net/img/before-after/64 before.jpg
         def negationofimage():
             global a
             foto = cv2.imread('./DIPFoto' + str(a) + '.jpg',3)
             fotonew = cv2.resize(foto, (400,400))
             negationfoto = 255-foto
             negationnew = cv2.resize(negationfoto, (400,400))
             yanyananegation = np.concatenate((fotonew, negationnew), axis=1)
             cv2.imshow('NegationFoto', yanyananegation)
             cv2.waitKey(0)
             cv2.destroyAllWindows()
        def gausskernel():
In [511...
             global a
             img = cv2.imread('./DIPFoto' + str(a) + '.jpg', 3)
             imgnew = cv2.resize(img, (400, 400))
             blur = cv2.GaussianBlur(img, (3,3),0)
             blurnew = cv2.resize(blur, (400,400))
             yanyanagaussian = np.concatenate((imgnew, blurnew), axis=1)
             cv2.imshow('GaussianFoto', yanyanagaussian)
             cv2.waitKey(0)
             cv2.destroyAllWindows()
         #https://assets.markallengroup.com/article-images/235348/girl-4388310 1920.jpg
In [512...
         https://cc-prod.scene7.com/is/image/CCProdAuthor/gaussian-blur P3a 690x450?$pjpeg$&jpegSize=200&wid=690#
         def average():
             global a
             foto = cv2.imread('./DIPFoto' + str(a) + '.jpg', 3)
             fotonew = cv2.resize(foto, (400,400))
             kernel = np.ones((5,5), np.float32)/25
             kernelfoto = cv2.filter2D(foto,-1,kernel)
             kernelnew = cv2.resize(kernelfoto, (400,400))
             yanyanaconvolution = np.concatenate((fotonew, kernelnew), axis=1)
             cv2.imshow('AverageFilter', yanyanaconvolution)
             cv2.waitKey(0)
             cv2.destroyAllWindows()
         \#https://www.mathworks.com/help/examples/images/win64/CompareResultsOfAveragingFilterAndMedianFilterExample 02.
         #https://roflmaostc.github.io/Noise.jl/dev/images/awg img color noise.png
         def median():
             global a
             foto = cv2.imread('./DIPFoto' + str(a) + '.jpg', 3)
             fotonew = cv2.resize(foto, (400,400))
             median = cv2.medianBlur(foto,3)
             mediannew = cv2.resize(median, (400,400))
             yanyanamedian = np.concatenate((fotonew, mediannew), axis=1)
             cv2.imshow('MedianFilter', yanyanamedian)
             cv2.waitKey(0)
             cv2.destroyAllWindows()
         #https://softwarebydefault.files.wordpress.com/2013/05/laplacian of gaussian.jpg
         def laplacian():
             b=3
             kernel1 = np.array([[-1,-1,-1],
                                [-1, 8, -1],
                                 [-1, -1, -1]]
             foto = cv2.imread('./DIPFoto' + str(a) + '.jpg', 3)
             fotonew = cv2.resize(foto, (400,400))
             filter1 = cv2.filter2D(foto, -1, kernel1)
             #filteredfoto = foto-filter1
             fotoson = cv2.resize(filter1, (400,400))
             yanyanalaplacian = np.concatenate((fotonew, fotoson), axis=1)
             cv2.imshow('Laplacian', yanyanalaplacian)
             cv2.waitKey(0)
             cv2.destroyAllWindows()
In [513... | ### Kullanıcıdan input olarak fotoğraf urlsi alan ve bunu klasörde isimlendirerek kaydeden kısım.
         a = 0
         def linklistesi():
             opener = urllib.request.build_opener()
             opener.addheaders = [('User-agent',
             'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/5
             urllib.request.install_opener(opener)
             urlstack = []
             urlstack.append(str(getlink.get()))
             print(urlstack)
             for url in urlstack:
                 global a
                 a = a + 1
                 urllib.request.urlretrieve(url, 'DIPFoto' + str(a) + '.jpg')
         def selectfoto():
             global a
             a = getphotoid.get()
         def delete():
             getlinkentry.delete(0,'end')
         window = Tk()
         window.geometry("420x280")
         window.title("Digital Image")
         buttonfont = Font(family="Arial", size=10, weight="bold", slant="italic")
         Label(window, text="Photograph Link: ").grid(row=0, column=0, pady=5, sticky=E)
         getlink = StringVar()
         getlinkentry = Entry(window, width=40, textvariable=getlink)
         getlinkentry.grid(row=0, column=1)
         mybutton = Button(window, text = "Delete", command = delete, font=buttonfont)
         mybutton.place(x=367, y=3)
         Label(window, text="Photograph Number: ").grid(row=2, column=0, pady=5, sticky=E)
         getphotoid = StringVar()
         getphotoid = Entry(window, width=20, textvariable=getphotoid)
         getphotoid.place(x=122, y=35)
         photoid = Button(window, text="Photo ID Select", command=selectfoto, width=15, height=1, font=buttonfont)
         photoid.place(x=260, y=35)
         findphoto = Button(window, text="Download Photo", command=linklistesi, width=30, height=1, font=buttonfont)
         findphoto.place(x=100, y=75)
         gaussfiltre = Button(window, text="Gaussian Blur", command=gausskernel, width=20, height=2, font=buttonfont)
         gaussfiltre.place(x=30, y=120)
         medianfiltre = Button(window, text="Median Filtre", command=median, width=20, height=2, font=buttonfont)
         medianfiltre.place(x=220, y=120)
         averagefilter = Button(window, text="Average Filter", command=average, width=20, height=2, font=buttonfont)
         averagefilter.place(x=30, y=170)
         negationfilter = Button(window, text="Negation", command=negationofimage, width=20, height=2, font=buttonfont)
         negationfilter.place(x=220, y=170)
         laplacianfilter = Button(window, text="Laplacian", command=laplacian, width=20, height=2, font=buttonfont)
         laplacianfilter.place(x=120, y=220)
         window.mainloop()
         ['https://affinity.help/photo/shared/filter gaussianblur after.jpg']
```

['https://cc-prod.scene7.com/is/image/CCProdAuthor/gaussian-blur P3a 690x450?\$pjpeg\$&jpegSize=200&wid=690']