pip install pillow

from PIL import Image

# function to encrypt or decrypt the image

def Encrypt\_Decrypt\_Image(Image\_path, Output\_path, key):

    Image = Image.open(Image\_path)

    Image = Image.convert('RGB')

    Pixels = Image.load()

    Width, Height = Image.size

    for x in range(Width)

        for y in range(Height)

        R, G, B = Pixels[x, y]

        Pixels[x, y] =(R ^ key, G ^ key, B ^ key)

    Image.save(Output\_path)

    print("Image saved as:", Output\_path)

print("Image Encryptor / Decryptor using Pixel Manipulation")

action = input("Type 'Encrypt' or 'Decrypt': ").strip().lower()

Input\_path = input("Enter the input image file path: ")

Output\_path = input("Enter the Output image file path: ")

key = int(input("Enter a secret key(0 to 255):- "))

if 0 <= key <= 255:

    Encrypt\_Decrypt\_Image(Input\_path, Output\_path, key)

else:

    print("Invalid key! Please enter a number between 0 and 255.")