Steps to run the program:

1. From the command prompt in Windows
    - Install Python 3.10.5 and set the PATH variables to the location of “Scripts” and “pip”.
    - Install packages opencv-python and Pillow using the command *pip install <package-name>*
    - Run the command *pip freeze* to confirm that the packages are installed.
    - Go to the location of the script using *cd <path-to-the-script>* and run the program using *python ImageTransform.py*.

2. Running the script on a virtual environment created in windows (So that the existing package versions may not conflict)
    - Go to the Windows Command Prompt using *cmd.*
    - Create a folder, say *trial*, in your working directory using *mkdir trial*.
    - Get inside the folder using *cd trial*
    - Create the virtual environment, say *experiment3-env* using the command *python -m venv .experiment3-env*
    - Activate the virtual environment using the command *.\.experiment3-env\Scripts\activate*
      You can check for the activation using the command *where python*
      If the virtual environment contains a *python.exe* file, the activation is successful.
    - Install the necessary packages using the commands
      pip install Pillow
      pip install opencv-python
      pip install numpy
    - Add the program and the dataset to the folder created in the first step, *trial* in this case
    - Run the program.
      python ImageTransform.py
      Depending on the installed settings, one may have to use *python3* instead of *python*
      One can also enter only the name of the folder containing the images if the steps are followed correctly. Alternatively one can also enter the complete location of the images if they are elsewhere.