

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>*
  - Package numpy comes along with opencv-python. Run the command *pip freeze* to confirm.
  - 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)
  - Create a folder, say *trial*, in your working directory.
  - Create the virtual environment 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*
  - Package numpy comes along with opencv-python. Run the command *pip freeze* to confirm.
  - Run the program  
*python ImageTransform.py*  
Depending on the installed settings, one may have to use *python3* instead of *python*