

README

How to use

This application supports 3 different executions that are –

1. Running a file with all the commands
2. Text based execution
3. Graphical User Interface Experience

1. Running a jar file with command lines (using a file with all the commands)

You can run the program from command Prompt by using a file with all the commands by using the “java -jar Program.jar -file path-of-script-file ” command.

Follow the steps below –

- Download the project zip file & unzip in your local.
- Go to the res folder and Open command prompt from that location.
- Type a command “java -jar IMEA.jar -file scriptnew.txt” and enter.

2. Text based execution (running a jar file without command lines)

You can run the program from command Prompt by using a text-based execution by using the “java -jar Program.jar -text” command.

Follow the steps below –

- Download the project zip file & unzip in your local.
- Go to the res folder and Open command prompt from that location.
- Type a command “java -jar IMEA.jar” and enter.

You will then be promoted to enter the commands. You will be able to use the following commands.

- load /imagePath <imageName>
- save /imagePath <imageName>
- <greyscale-component> <srcImageName> <destImageName>
- horizontal-flip <srcImageName> <destImageName>
- vertical-flip <srcImageName> <destImageName>
- brighten <increment> <srcImageName> <destImageName>
- rgb-split <srcImageName> <destRedImageName> <destGreenImageName> <destBlueImageName>
- rgb-combine <srcRedImageName> <srcGreenImageName> <srcBlueImageName> <destImageName>
- blur <srcImageName> <destImageName>
- sharpen <srcImageName> <destImageName>
- sepia <srcImageName> <destImageName>
- run <fileName>
- compress <compressionPercentage> <srcImageName> <destImageName>
- histogram <srcImageName> <destImageName>
- color-correct <srcImageName> <destImageName>
- levels-adjust <m> <w> <srcImageName> <destImageName>
- blur <srcImageName> <destImageName> split <splitwidthPercentage>
- sharpen <srcImageName> <destImageName> split <splitwidthPercentage>
- sepia <srcImageName> <destImageName> split <splitwidthPercentage>

- <greyscale-component> <srcImageName> <destImageName> split <splitwidthPercentage>
- color-correct <srcImageName> <destImageName> split <splitwidthPercentage>
- levels-adjust <m> <w> <srcImageName> <destImageName> split <splitwidthPercentage>

Conditions –

- Must use the load command before doing any other image operations for the image to exist.
- Supported component names are luma-component, intensity-component, value-component, red-component, green-component and blue-component

3. Graphical User Interface Experience

You can run the program from command Prompt by command
“java -jar Program.jar”

Follow the steps below –

- Download the project zip file & unzip in your local.
- Go to the res folder and Open command prompt from that location.
- Type a command “java -jar IMEA.jar” and enter.

How to use the GUI application is clearly mentioned in the **USEME** file.