# Command Line Image Editor Documentation

## Introduction

The Command Line Image Editor is a Java-based tool that allows you to perform various operations on images via the command line. This tool provides functionality to convert images to grayscale, increase brightness, flip horizontally, and rotate images both clockwise and anticlockwise.

## Prerequisites

Before using the Command Line Image Editor, make sure you have the following prerequisites installed:

- Java Development Kit (JDK)
- Java Runtime Environment (JRE)

## Installation

1. Clone or download the project repository from github.com/7arj/imageEditor.
2. Compile the Java code using the following command:

```
javac Main.java
```

3. Run the application using the following command:

```
java Main
```

# Usage

*Original Image:-*



## 1. Convert to Grayscale

To convert an image to grayscale, follow these steps:

1. Run the application.
2. Enter `1` when prompted.
3. Provide the path to the image file.
4. The grayscale image will be saved as `GrayscaledImage.jpg`.

## 2. Increase Brightness

To increase the brightness of an image, follow these steps:

1. Run the application.
2. Enter **2** when prompted.
3. Provide the path to the image file.
4. Enter the amount of increase in brightness (percentage).
5. The brightened image will be saved as `BrightnessIncreased.jpg`.



## 3. Flip Horizontally

To flip an image horizontally, follow these steps:

1. Run the application.
2. Enter **3** when prompted.
3. Provide the path to the image file.
4. The flipped image will be saved as `FlippedImage.jpg`.

## 4. Rotate Clockwise
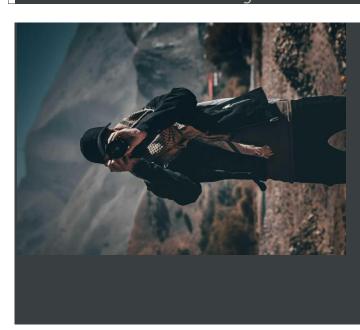
To rotate an image clockwise, follow these steps:

1. Run the application.
2. Enter `4` when prompted.
3. Provide the path to the image file.
4. The clockwise rotated image will be saved as `RotatedClockwise.jpg`.



## 5. Rotate Anti-Clockwise

To rotate an image anticlockwise, follow these steps:

1. Run the application.
2. Enter `5` when prompted.
3. Provide the path to the image file.
4. The anticlockwise rotated image will be saved as `AntiClockwiseImage.jpg`.

# Troubleshooting

If you encounter any issues or errors while using the Command Line Image Editor, please check the following:

- Ensure that you have provided the correct file path for the image.
- Verify that the image file exists and is in a supported format (e.g., JPG).
- Check for any exceptions or error messages displayed by the tool.

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