

1) Perform basic Image Handling and processing operations on the image is to read an image in python and Convert an Image to Gray-scale.

CODE:

```
import cv2

# Step 1: Read the image
image = cv2.imread(r"C:\Users\harik\Downloads\CV LAB\MOUNTAIN.jpeg")

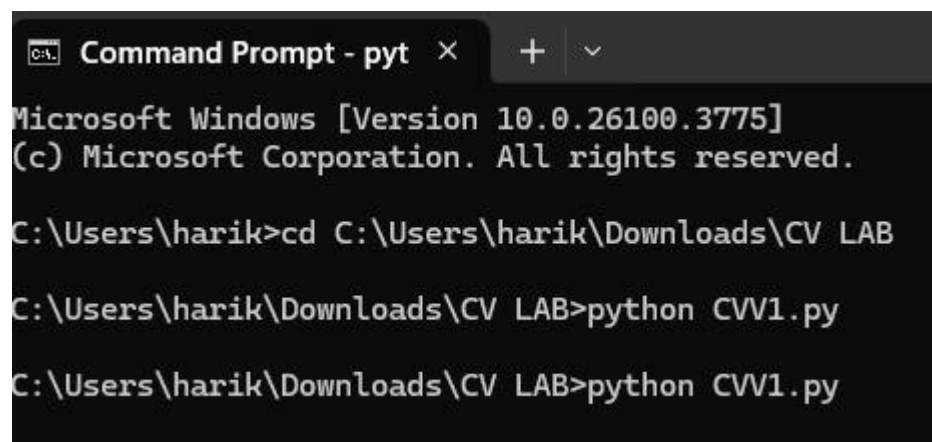
# Step 2: Check if the image is loaded properly
if image is None:
    print("Error: Could not load the image.")
else:
    # Step 3: Convert the image to grayscale
    gray_image = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)

    # Step 4: Display the original image
    cv2.imshow("Original Image", image)

    # Step 5: Display the grayscale image
    cv2.imshow("Grayscale Image", gray_image)

    # Wait for a key to close the image windows
    cv2.waitKey(0)

    cv2.destroyAllWindows()
```

A screenshot of a Windows Command Prompt window. The title bar reads "Command Prompt - pyt" with a close button and window controls. The text inside the window shows the following commands and their output:
Microsoft Windows [Version 10.0.26100.3775]
(c) Microsoft Corporation. All rights reserved.
C:\Users\harik>cd C:\Users\harik\Downloads\CV LAB
C:\Users\harik\Downloads\CV LAB>python CVV1.py
C:\Users\harik\Downloads\CV LAB>python CVV1.py

OUTPUT:

