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Python OpenCV | cv2.imwrite() method



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OpenCV-Python is a library of Python bindings designed to solve computer vision problems. `cv2.imwrite()` method is used to save an image to any storage device. This will save the image according to the specified format in current working directory.

Syntax: `cv2.imwrite(filename, image)`

Parameters:

filename: A string representing the file name. The filename must include image format like **.jpg**, **.png**, etc.

image: It is the image that is to be saved.

Return Value: It returns true if image is saved successfully.

Example #1:

```
# Python program to explain cv2.imwrite() method

# importing cv2
import cv2

# importing os module
import os

# Image path
image_path = r'C:\Users\Rajnish\Desktop\GeeksforGeeks\geeks.png'

# Image directory
directory = r'C:\Users\Rajnish\Desktop\GeeksforGeeks'

# Using cv2.imread() method
# to read the image
```

```
img = cv2.imread(image_path)

# Change the current directory
# to specified directory
os.chdir(directory)

# List files and directories
# in 'C:/Users/Rajnish/Desktop/GeeksforGeeks'
print("Before saving image:")
print(os.listdir(directory))

# Filename
filename = 'savedImage.jpg'

# Using cv2.imwrite() method
# Saving the image
cv2.imwrite(filename, img)

# List files and directories
# in 'C:/Users / Rajnish / Desktop / GeeksforGeeks'
print("After saving image:")
print(os.listdir(directory))

print('Successfully saved')
```

Output:

```
Before saving image:
['geeks.png']
After saving image:
['geeks.png', 'savedImage.jpg']
Successfully saved
```

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