Read image

In [2]:
```
import cv2

path = r'C:\Users\Bachi\Desktop\DS\OpenCV\geeks14.png'

img = cv2.imread(path)
cv2.imshow('image', img)

cv2.waitKey(0)

cv2.destroyAllWindows()
```

Write image

In [3]:
```
import cv2
import os

img_path=r'C:\Users\Bachi\Desktop\DS\OpenCV\geeks14.png'
img_dir=r'C:\Users\Bachi\Desktop\DS\geeks14.png'

image=cv2.imread(img_path)

# 1 st arg is destination 2nd is image location

cv2.imwrite(r'C:\Users\Bachi\Desktop\DS\geeks14.png',image)
```

Out[3]:
```
True
```

Color spaces

In [4]:
```
import cv2

image=cv2.imread(img_path)
B,G,R=cv2.split(image)

cv2.imshow("OR",image)
#cv2.waitKey(0)
cv2.waitKey

cv2.imshow("R",R)
#cv2.waitkey(0)
cv2.waitKey


cv2.imshow("G",G)
#cv2.waitkey(0)
cv2.waitKey


cv2.imshow("B",B)
#cv2.waitkey(0)
cv2.waitKey
```

Out[4]:
```
<function waitKey>
```

Image Operation

In [ ]:
```
import cv2
import numpy as np

img1=cv2.imread(r'C:\Users\Bachi\Desktop\DS\OpenCV\beautiful.png')
img2=cv2.imread(r'C:\Users\Bachi\Desktop\DS\OpenCV\geeks14.png')

dst = cv2.addWeighted(img1,0.7,img2,0.3,0)
```