

HW1-ipyb

```
import cv2

import os

from google.colab import drive

drive.mount('/content/drive')

!pwd

os.chdir('/content/drive/MyDrive/CV')

os.listdir()

image1=cv2.imread('myphoto.jpg')

type(image1)

print(f"height:{image1.shape[0]} pixels")

print(f"width:{image1.shape[1]} pixels")

print(f"channel:{image1.shape[2]} pixels")

from google.colab.patches import cv2_imshow

cv2_imshow(image1)

from PIL import Image
```

```
image2=Image.open('myphoto.jpg')
```

```
type(image2)
```

```
display(image2)
```

```
print(image2.size)
```

```
width=256
```

```
ratio=float(width)/image2.size[0]
```

```
height=int(image2.size[1]*ratio)
```

```
nim=image2.resize((width,height), Image.BILINEAR)
```

```
print(nim.size)
```

```
display(nim)
```

```
width=256
```

```
height=256
```

```
nim=image2.resize((width,height), Image.BILINEAR)
```

```
print(nim.size)
```

```
display(nim)
```

```
nim.save('HW1.jpg')
```

```
print(nim.mode,nim.format)
```

```
display(nim)
```