In [ ]:

```
import cv2
```

In [ ]:

```
cnt = 5
imageFile = []
imageFile.append('./data/lena.jpg')
imageFile.append('./data/baboon.jpg')
imageFile.append('./data/fruits512.jpg')
imageFile.append('./data/orange.jpg')
imageFile.append('./data/apple.jpg')
```

In [ ]:

```
image = []
imagegray = []
for i in range(0, cnt):
    image.append(cv2.imread(imageFile[i]))
    imagegray.append(cv2.imread(imageFile[i], cv2.IMREAD_GRAYSCALE))

print('color image = ', image[0][0].shape)
print('gray image = ', image[1][0].shape)
```

In [ ]:

```
idx = 0
color = 1

while True:
    key = cv2.waitKeyEx(30)
    if key == 27:  #ESC
        break

    # 영상 변경
    elif key == 0x250000: # left
        idx -= 1
        if idx < 0:
            idx = cnt-1

    # 영상 변경
    elif key == 0x270000: # right
        idx += 1
        idx %= cnt

    # 컬러/흑백 영상 변경
    elif key == 32: # space
        color = 1 - color

    if color == 1:
        cv2.imshow('img', image[idx])
    else:
        cv2.imshow('img', imagegray[idx])

cv2.destroyAllWindows()
```

In [ ]: