

Assgn_02 Answer Code

- file name = 'your_name_assgn02.pdf' (code and onput)
- Upload to LMS before the next Monday 0900(It's checked by LMS program automatically, so you must upload before the date)

```
In [83]: import cv2
import numpy as np
from matplotlib import pyplot as plt
from matplotlib.pyplot import figure
from PIL import ImageFont, ImageDraw
import time

img_messi = cv2.imread('./images/messi.jpeg',1)
img_messi2 = cv2.imread('./images/messi2.jpeg',1)
img = cv2.cvtColor(img_messi, cv2.COLOR_BGR2RGB)
img2 = cv2.cvtColor(img_messi2, cv2.COLOR_BGR2RGB)

height, width, channel = img.shape

x=105; y=10; w=70; h=90
face = img2[y:y+h, x:x+w]
face_roi = face.copy()
face_roi_flipV = cv2.flip(face_roi, 1)

img[0:h, 0:w] = face_roi
img[0:h, width-w:width] = face_roi_flipV

font = cv2.FONT_HERSHEY_SIMPLEX

text1 = "Lionel Messi!!"
text2 = time.strftime("%Y/%m/%d %H:%M:%S", time.localtime())
cv2.putText(img,text1 ,(10,120), font, 1,(255,255,255),2)
cv2.putText(img,text2 ,(110,160), font, 0.5,(255,255,255),1)

figure(figsize=(15, 10), dpi=80)

plt.imshow(img)
plt.show()
```

