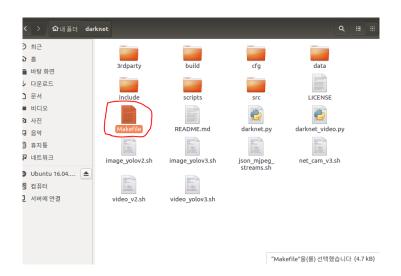
- Darknet설치

```
soorim@soorim-virtual-machine:~$ git clone https://github.com/AlexeyAB/darknet.git 'darknet'에 복제합니다...
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 14730 (delta 2), reused 7 (delta 2), pack-reused 14722
오브젝트를 받는 중: 100% (14730/14730), 13.28 MiB | 5.05 MiB/s, 완료.
델타를 알아내는 중: 100% (10017/10017), 완료.
연결을 확인하는 중입니다... 완료.
```

- 버전 바꾸기

```
soorim@soorim-virtual-machine:~$ cd darknet/
soorim@soorim-virtual-machine:~/darknet$ ls
3rdparty
CMakeLists.txt
DarknetConfig.cmake.in
                                        build.ps1
build.sh
                                                                        data
                                                                                                              results
                                                                        image_yolov3.sh
image_yolov4.sh
                                                                                                              scripts
                                        cfg
                                                                                                              src
LICENSE
                                        cmake
                                                                        include
                                                                                                              vcpkg.json
Makefile
                                        darknet.py
                                                                        json_mjpeg_streams.sh
                                                                                                              video_yolov3.sh
README.md darknet_images.py net_cam_v3.sh video.py net_cam_v4.sh soorim@soorim-virtual-machine:~/darknet$ git checkout darknet_yolo_v3
README.md
                                                                                                              video_yolov4.sh
Note: checking out 'darknet_yolo_v3'.
You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by performing another checkout.
If you want to create a new branch to retain commits you create, you may do so (now or later) by using -b with the checkout command again. Example:
    git checkout -b <new-branch-name>
HEAD의 현재 위치는 5e850c2... Minor fixes
```

- Makefile 수정



```
GPU=0
CUDNN=0
CUDNN_HALF=0
OPENCV=1 ---
AVX=0
OPENMP=0
LIBSO=1 ---
```

soorim@soorim-virtual-machine:~/darknet\$ make

- 에러 발생 및 해결

```
soorim@soorim-virtual-machine:~/darknet$ make chmod +x *.sh g++ -std=c++11 -Iinclude/ -DOPENCV `pkg-config --cflags opencv` -Wall -Wfatal-errors -Wno-unused-result -Wno-unknown-pragmas -fPIC -Ofast -DOPENCV -fPIC -c ./src/http_stream.cpp -o o bj/http_stream.o Package opencv was not found in the pkg-config search path. Perhaps you should add the directory containing `opencv.pc' to the PKG_CONFIG_PATH environment variable No package 'opencv' found In file included from ./src/http_stream.cpp:1:0: ./src/http_stream.h:7:39: fatal error: opencv2/highgui/highgui_c.h: 그런 파일이나 디렉터리가 없습니다 compilation terminated.

Makefile:142: 'obj/http_stream.o' 타겟에 대한 명령이 실패했습니다 make: *** [obj/http_stream.o] 오류 1
```

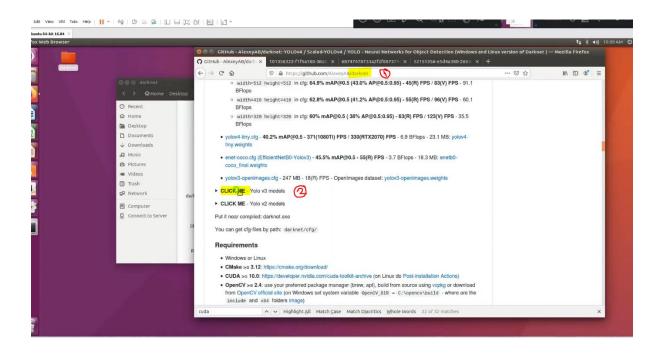
- 아래 명령어 실행

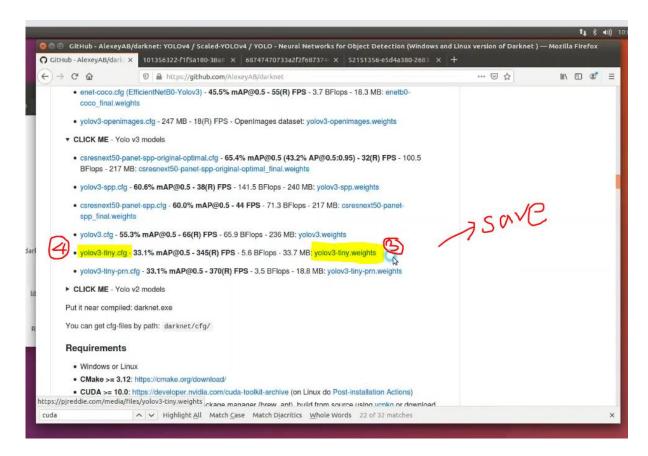
soorim@soorim-virtual-machine:~/darknet\$ sudo apt install libopency-dev

|soorim@soorim-virtual-machine:~/darknet\$ make

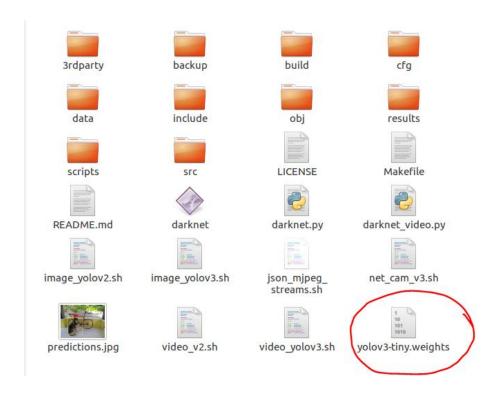
결과 Make 성공

예제 실행하기 위한 준비





다운로드 후 darknet폴더로 옮겨 놓기



soorim@soorim-virtual-machine:~/darknet\$./darknet detector test ./cfg/coco.data ./cfg/yolov3-tiny.cfg ./yolov3-tiny.weights data/dog.jpg -i 0 -thresh 0.25

```
oorim@soorim-virtuar
./cfg/yolov3-tiny.cfg ./y
aver filters size
46 3 x 3 /
                                                          416
                                                         416
208
208
                                                416
208
208
104
104
52
52
                                                                                      208
                                                                                                208
                                                                                                                0.003
      max
                                                                                                          32
32
64
64
128
                                                                                                208
104
                                                                     16
32
32
64
64
                                                                                      208
                     32
                                         1
1
2
1
                                                      X
X
X
X
                                                                X X X X X X
                                                                                            X
X
X
X
X
                                  32323
      conv
                                                                                      104
                                                                                                                0.001
                                                                                                                          BF
     max
                                                                                      104
52
52
                                                          104
104
52
52
                                                                                                104
52
52
                     64
                                                                                                                0.399
     conv
                                                                                                                          \mathsf{BF}
                                                                                                                0.001
                                                                                                                          \mathsf{BF}
      max
      conv
                    128
                                                                                                                0.399
      max
```

- 실행 결과

