

### 5.1.1 Run the below cell to evaluate on test images

```
✓ [5] # Run evaluation
      %cd /content/yolov7
      !python detect.py --weights /content/yolov7/runs/train/exp/weights/best.pt --conf 0.1 --source /content/test.jpg
```

-Please put the best weights pt for detecting and the other directory is for your test image.  
It is runs/train/exp/weights

```
✓ [▶] classes_to_filter = None #You can give list of classes to filter by

opt = {

    "weights": "/content/yolov7/runs/train/exp/weights/best.pt", # Path to weights file
    "yaml"    : "/content/yolov7/ppe-dataset-4/data.yaml",
    "img-size": 640, # default image size
    "conf-thres": 0.25, # confidence threshold for inference.
    "iou-thres" : 0.45, # NMS IoU threshold for inference.
    "device"   : '0', # device to run our model i.e. 0 or 0,1,2,3 or cuda
    "classes"  : classes_to_filter # list of classes to filter or None

}
```

Here as well, You will put the best pt according to directory. Then, data.yaml file of dataset. Please look at the directory

```
# Input video path
save_path = '/content/yolov7/output.mp4'

# Compressed video path
compressed_path = "/content/result_compressed.mp4"

os.system(f"ffmpeg -i {save_path} -vcodec libx264 {compressed_path}")
```

Saving the detected video. And It is a precision.

