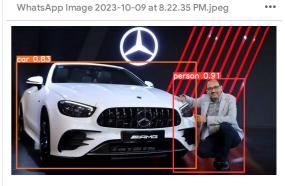
```
!pip install ultralytics -q
!pip install pyyaml -q
                                                   - 618.9/618.9 kB 4.5 MB/s eta (
from ultralytics import YOLO
import yaml
import cv2
from google.colab.patches import cv2_imshow
model =YOLO("yolov8n.pt")
     Downloading <a href="https://github.com/ultralytics/assets/releases/download/v0.0.0">https://github.com/ultralytics/assets/releases/download/v0.0.0</a>
     100%| 6.23M/6.23M [00:00<00:00, 62.4MB/s]
model.predict("/WhatsApp Image 2023-10-09 at 8.22.35 PM.jpeg",save=True,save_tx
     'clock', 75: 'vase', 76: 'scissors', 77: 'teddy bear', 78: 'hair
     drier', 79: 'toothbrush'}
      orig_img: array([[[ 78, 75, 61],
              [ 78, 75, 61],
[ 76, 74, 63],
              [ 44, 41, 37],
              [ 45, 41, 40],
              [ 49, 45, 44]],
             [[ 84, 81,
                           67],
              [ 82, 79,
                           65],
                           68],
              [ 81, 79,
              [ 43, 40,
                           361,
              [ 43, 39,
                           38],
              [ 46, 42,
                          41]],
             [[102, 99, [100, 97,
                           84],
                           82],
              [102, 101, 87],
              [ 47, 43, 42],
              [ 45, 41, 40],
[ 45, 41, 40]],
             [[ 61, 58,
                           53],
              [ 67, 64,
                           59],
              [ 71,
                     68,
                           63],
              [ 61,
                     51,
                           57],
              [ 52,
                     49,
                           44],
                           44]],
              [ 54, 56,
             [[ 62, 59,
                           54],
                65,
                     62,
                           57],
              [ 65,
                     62,
                           57],
              [ 46, 47,
                           51],
              [ 43,
                     49,
                           44],
              [ 43, 50,
                           43]],
             [[ 67, 64,
                           59],
                           61],
              [ 69, 66,
              [ 67, 64,
                           59],
              [ 37, 42, 45],
              [ 40, 49, 46],
              [ 39, 49, 43]]], dtype=uint8)
      orig_shape: (1104, 736)
      path: '/WhatsApp Image 2023-10-09 at 8.22.35 PM.jpeg'
      probs: None
      save dir: 'runs/detect/predict'
      speed: {'preprocess': 21.791458129882812, 'inference':
     321.7735290527344, 'postprocess': 33.5540771484375}]
    4
file_name="/usr/local/lib/python3.10/dist-packages/ultralytics/cfg/datasets/coc
with open(file_name,"r") as stream:
  names = yaml.safe_load(stream)["names"]
```



```
names
      22: 'zebra',
      23: 'giraffe'
      24: 'backpack',
      25: 'umbrella',
      26: 'handbag',
      27: 'tie',
      28: 'suitcase',
      29: 'frisbee',
      30: 'skis',
      31: 'snowboard',
      32: 'sports ball',
      33: 'kite',
      34: 'baseball bat',
      35: 'baseball glove',
      36: 'skateboard',
      37: 'surfboard',
      38: 'tennis racket',
      39: 'bottle',
      40: 'wine glass',
      41: 'cup',
42: 'fork'
      43: 'knife'
      44: 'spoon',
      45: 'bowl',
      46: 'banana'
      47: 'apple',
      48: 'sandwich',
      49: 'orange'
      50: 'broccoli',
      51: 'carrot',
      52: 'hot dog',
      53: 'pizza',
      54: 'donut',
      55: 'cake',
56: 'chair'
      57: 'couch',
      58: 'potted plant', 59: 'bed',
      60: 'dining table',
61: 'toilet',
      62: 'tv',
      63: 'laptop',
      64: 'mouse'
      65: 'remote'
      66: 'keyboard'
      67: 'cell phone',
      68: 'microwave',
      69: 'oven',
      70: 'toaster',
      71: 'sink',
      72: 'refrigerator',
      73: 'book',
74: 'clock',
      75: 'vase',
      76: 'scissors',
      77: 'teddy bear'
      78: 'hair drier'
      79: 'toothbrush'}
lis = open("/content/runs/detect/predict/labels/WhatsApp Image 2023-10-09 at 8.
lis
     '2 0.367448 0.935823 0.255005 0.127515\n',
      '2 0.722974 0.775774 0.217175 0.152198\n',
      '2 0.743779 0.367471 0.104968 0.0606297\n'
      '5 0.634305 0.243851 0.0941039 0.0775056\n',
      '2 0.381159 0.581387 0.135111 0.0915906\n',
      '2 0.938388 0.605896 0.119452 0.0942297\n',
      '2 0.712903 0.666653 0.164352 0.0959604\n',
      '2 0.391579 0.521001 0.125743 0.0714471\n',
      '7 0.649857 0.552923 0.168708 0.169907\n',
'2 0.802312 0.424667 0.120699 0.0735205\n',
      '2 0.568823 0.419562 0.104277 0.0591692\n',
      '2 0.21865 0.375607 0.0944134 0.055346\n',
      '2 0.386459 0.458957 0.127085 0.0877241\n
      '2 0.901872 0.539021 0.157849 0.0808674\n',
      '2 0.174987 0.394918 0.101065 0.0580173\n',
      '2 0.688703 0.327753 0.0884388 0.0507633\n',
      '2 0.269297 0.264663 0.067285 0.0326288\n',
      '2 0.597512 0.455866 0.102273 0.0582544\n',
      '2 0.851605 0.483326 0.134421 0.0811062\n',
      '2 0.130281 0.517135 0.139265 0.080393\n'
      '2 0.565479 0.371668 0.0973665 0.0535486\n'
```

```
'2 0.540369 0.342477 0.0893191 0.0519532\n',
      '2 0.369759 0.403074 0.106672 0.0631513\n',
      '2 0.0410781 0.656702 0.0821561 0.105091\n',
      '5 0.400252 0.154186 0.0514822 0.0452379\n',
      '2 0.069295 0.218078 0.0564199 0.025028\n',
      '2 0.0792506 0.561755 0.158501 0.103947\n',
      '7 0.0781361 0.56136 0.156272 0.101589\n',
      '2 0.368533 0.329041 0.0933012 0.0559332\n',
      '2 0.389415 0.366067 0.0943271 0.0585486\n',
      '2 0.159284 0.471226 0.129143 0.070106\n',
      '2 0.509766 0.315878 0.0777015 0.0513878\n']
for 1 in lis:
  ind = int(l.split()[0])
  print(ind,names[ind])
     2 car
     2 car
     2 car
     2 car
     2 car
     5 bus
     2 car
     2 car
     2 car
     2 car
     7 truck
     2 car
     5 bus
     2 car
     2 car
     7 truck
     2 car
     2 car
     2 car
     2 car
for 1 in lis:
li=lis[5].split()
 xc,yc,nw,nh = float(li[1]),float(li[2]),float(li[3]),float(li[4])
img = cv2.imread("/WhatsApp Image 2023-10-09 at 8.22.35 PM.jpeg")
h,w= img.shape[0],img.shape[1]
xc*=w
yc*=h
nw*=w
top_left=(int(xc-nw/2),int(yc-nh/2))
bot_right=(int(xc+nw/2),int(yc+nh/2))
top_left,bot_right
     ((432, 226), (501, 311))
img=cv2.rectangle(img,top_left,bot_right,(0,255,0),3)
cv2_imshow(img)
```



```
[15, 13, 13]],

[[90, 61, 46],
[89, 60, 45],
[88, 59, 44],
...,
[16, 14, 14],
[16, 14, 14]],

[[90, 61, 46],
[91, 62, 47],
...,
[15, 13, 13],
[15, 13, 13]],
[15, 13, 13]]], dtype=uint8)

orig_shape: (601, 1068)
path: '/content/WhatsApp Image 2023-10-09 at 11.54.26 PM.jpeg'
probs: None
save_dir: 'runs/detect/predict'
speed: {'preprocess': 4.08935546875, 'inference': 173.10738563537598,
'postprocess': 1.4407634735107422}]
```