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# Step 1: Clone YOLOv5 and install dependencies
!git clone https://github.com/ultralytics/yolov5  # clone repo
%cd yolov5
%pip install -r requirements.txt  # install dependencies

# Step 2: Upload an image
from google.colab import files
uploaded = files.upload()

# Step 3: Run YOLOv5 inference on the uploaded image
import os
from pathlib import Path

# Get uploaded image path
uploaded_image_path = next(iter(uploaded))  # First uploaded file

# Run inference
!python detect.py --source {uploaded_image_path} --conf 0.3 --save-txt --save-conf

# Step 4: Display the output image
from IPython.display import Image, display

output_dir = Path('runs/detect')
# Get latest run directory
latest_run = sorted(output_dir.glob('exp*'))[-1]
output_img_path = latest_run / uploaded_image_path

# Display result
display(Image(filename=output_img_path))
```