```
!git clone https://github.com/ultralytics/yolov5
```

```
Cloning into 'yolov5'...
remote: Enumerating objects: 10902, done.
remote: Total 10902 (delta 0), reused 0 (delta 0), pack-reused 10902
Receiving objects: 100% (10902/10902), 11.00 MiB | 12.17 MiB/s, done.
Resolving deltas: 100% (7528/7528), done.
```

```
%cd
```

```
/root
```

```
%cd/content/yolov5
```

```
/content/yolov5
```

```
pip install -r requirements.txt
```

```
Requirement already satisfied: matplotlib>=3.2.2 in /usr/local/lib/python3.7/dist-pa
Requirement already satisfied: numpy>=1.18.5 in /usr/local/lib/python3.7/dist-packag
Requirement already satisfied: opencv-python>=4.1.2 in /usr/local/lib/python3.7/dist
Requirement already satisfied: Pillow>=7.1.2 in /usr/local/lib/python3.7/dist-packag
Collecting PyYAML>=5.3.1
  Downloading PyYAML-6.0-cp37-cp37m-manylinux_2_5_x86_64.manylinux1_x86_64.manylinux
    |████████████████████████████████| 596 kB 11.8 MB/s
Requirement already satisfied: requests>=2.23.0 in /usr/local/lib/python3.7/dist-pac
Requirement already satisfied: scipy>=1.4.1 in /usr/local/lib/python3.7/dist-package
Requirement already satisfied: torch>=1.7.0 in /usr/local/lib/python3.7/dist-package
Requirement already satisfied: torchvision>=0.8.1 in /usr/local/lib/python3.7/dist-p
Requirement already satisfied: tqdm>=4.41.0 in /usr/local/lib/python3.7/dist-package
Requirement already satisfied: tensorboard>=2.4.1 in /usr/local/lib/python3.7/dist-p
Requirement already satisfied: pandas>=1.1.4 in /usr/local/lib/python3.7/dist-packag
```

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```
al/lib/python3.7/dist-pack
Downloading thop-0.0.31.post2005241907-py3-none-any.whl (8.7 kB)
Requirement already satisfied: cycler>=0.10 in /usr/local/lib/python3.7/dist-package
Requirement already satisfied: python-dateutil>=2.1 in /usr/local/lib/python3.7/dist
Requirement already satisfied: kiwisolver>=1.0.1 in /usr/local/lib/python3.7/dist-pa
Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.1 in /usr/loca
Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.7/dist-pa
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.7/dist-package
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.7/dist-p
Requirement already satisfied: typing-extensions in /usr/local/lib/python3.7/dist-pa
Requirement already satisfied: tensorboard-plugin-wit>=1.6.0 in /usr/local/lib/pytho
Requirement already satisfied: setuptools>=41.0.0 in /usr/local/lib/python3.7/dist-p
Requirement already satisfied: markdown>=2.6.8 in /usr/local/lib/python3.7/dist-pack
Requirement already satisfied: tensorboard-data-server<0.7.0,>=0.6.0 in /usr/local/l
Requirement already satisfied: grpcio>=1.24.3 in /usr/local/lib/python3.7/dist-packa
Requirement already satisfied: protobuf>=3.6.0 in /usr/local/lib/python3.7/dist-pack
Requirement already satisfied: google-auth-oauthlib<0.5,>=0.4.1 in /usr/local/lib/py
Requirement already satisfied: google-auth<3,>=1.6.3 in /usr/local/lib/python3.7/dis
Requirement already satisfied: wheel>=0.26 in /usr/local/lib/python3.7/dist-packages
Requirement already satisfied: werkzeug>=0.11.15 in /usr/local/lib/python3.7/dist-pa
Requirement already satisfied: absl-py>=0.4 in /usr/local/lib/python3.7/dist-package
```

```
Requirement already satisfied: pytz>=2017.3 in /usr/local/lib/python3.7/dist-package
Requirement already satisfied: six in /usr/local/lib/python3.7/dist-packages (from a
Requirement already satisfied: pyasn1-modules>=0.2.1 in /usr/local/lib/python3.7/dis
Requirement already satisfied: cachetools<5.0,>=2.0.0 in /usr/local/lib/python3.7/di
Requirement already satisfied: rsa<5,>=3.1.4 in /usr/local/lib/python3.7/dist-packag
Requirement already satisfied: requests-oauthlib>=0.7.0 in /usr/local/lib/python3.7/
Requirement already satisfied: importlib-metadata>=4.4 in /usr/local/lib/python3.7/d
Requirement already satisfied: zipp>=0.5 in /usr/local/lib/python3.7/dist-packages (
Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in /usr/local/lib/python3.7/dist
Requirement already satisfied: oauthlib>=3.0.0 in /usr/local/lib/python3.7/dist-pack
Installing collected packages: thop, PyYAML
  Attempting uninstall: PyYAML
    Found existing installation: PyYAML 3.13
    Uninstalling PyYAML-3.13:
      Successfully uninstalled PyYAML-3.13
Successfully installed PyYAML-6.0 thop-0.0.31.post2005241907
```

```
!python detect.py --source /content/yolov5/data/images/bus.jpg
```

```
Downloading https://ultralytics.com/assets/Arial.ttf to /root/.config/Ultralytics/Ar
detect: weights=yolov5s.pt, source=/content/yolov5/data/images/bus.jpg, data=data/co
YOLOv5 🚀 v6.0-243-g9c513ca torch 1.10.0+cu111 CUDA:0 (Tesla K80, 11441MiB)

Downloading https://github.com/ultralytics/yolov5/releases/download/v6.0/yolov5s.pt
100% 14.0M/14.0M [00:00<00:00, 41.2MB/s]

Fusing layers...
Model Summary: 213 layers, 7225885 parameters, 0 gradients
image 1/1 /content/yolov5/data/images/bus.jpg: 640x480 4 persons, 1 bus, Done. (0.03
Speed: 0.6ms pre-process, 31.5ms inference, 39.7ms NMS per image at shape (1, 3, 640
Results saved to runs/detect/exp
```

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```
                                                                       jpg
detect: weights=yolov5s.pt, source=/content/yolov5/data/images/zidane.jpg, data=data
YOLOv5 🚀 v6.0-243-g9c513ca torch 1.10.0+cu111 CUDA:0 (Tesla K80, 11441MiB)

Fusing layers...
Model Summary: 213 layers, 7225885 parameters, 0 gradients
image 1/1 /content/yolov5/data/images/zidane.jpg: 384x640 2 persons, 1 tie, Done. (0
Speed: 0.4ms pre-process, 28.7ms inference, 2.3ms NMS per image at shape (1, 3, 640,
Results saved to runs/detect/exp2
```

✓ 5s   completed at 6:34 PM   ● ✕

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