

# How to Run the Code

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## 1 Video Demonstration

For Video demonstration of how to run the code and the results follow the below youtube link, you can watch in HD

[https://youtu.be/qULLaP\\_8X\\_Q](https://youtu.be/qULLaP_8X_Q)

## 2 Install Dependencies

The first step would be installing all the dependencies for our Project, it can be done just by following the below command. As we have the project zip file from edmodo we unzip it first and run below commands to go into the directory and install dependencies

```
cd Object_detection_and_tracking/Object_detection_and_tracking
pip install -r requirements.txt
```

## 3 Download Model Data

The Second Step would be Downloading all the model data and placing them inside the above unzipped Object detection and tracking folder. I have uploaded all the model data in Google drive it can be downloaded using below URL.

<https://drive.google.com/open?id=1u0DfhstHilXaRTedhKhVUPyadQoLxdhR>

After download we place it inside Object detection and tracking folder.

## 4 RUN

The final step is to run the main.py file to launch our GUI. Follow the below command to run the code.

```
python main.py
```

**Note:** In order to run Mask R-CNN we need opencv version 4.0 therefore uninstall previous opencv version i.e, 3.4.2.17 and install 4.0 version.