**Project Setup**

# 1. Virtual Environment

Before proceeding to the implementation of the project, We have to set up the required packages and files for which we need to create a virtual environment for Python.

**2. Requirements**

The required packages are listed in the requirements.txt file.

# 4. Main Code

* Download the following repository and follow the installation instructions given in the Readme File:

<https://github.com/matterport/Mask_RCNN>

* First, we need to install the dependencies with the following command:

pip install -r requirements.txt

* Run setup from the repository root directory: python setup.py install
* To train or test on MS COCO install pycocotools from one of these repos. They are forks of the original pycocotools with fixes for Python3 and Windows.

○ Linux: https://github.com/waleedka/coco

○ Windows: https://github.com/philferriere/cocoapi. You must have the Visual C++ 2015 build tools on your path

# 5. Code Execution

Now, execute the python file, python video\_demo0.py 0