**Step 1: Enable Camera Module:**

After properly connecting the camera to the Raspberry Pi, we need to enable the Camera Module in Raspbian:

In the terminal write the command

*$ sudo raspi-config*

This will bring up the software configuration tool screen. Using the arrows scroll down to Interfacing Options, then to P1 Camera, press Enter and answer the question by typing *y* which means that you want to enable the camera module. Lastly, we need to reboot the Raspberry Pi for the configuration to take affect.

**Step 2: Test out the Camera Module:**

Execute the next command in terminal:

*$Raspistill -o output.jpg*

This command will activate the raspberry pi camera module, displays a preview of the image, and then snaps a picture and saves it to the current working directory as output.jpg

**Step 3: Installing picamera**

We are using VNC server to access the Pi virtually through a laptop.

Make sure to activate the vnc server by writing:

*$ sudo vncserver*

Then we need to install picamera:

*$ pip install “picamera”*

Now we have the picamera installed

# **Step 5: Accessing a single image of Raspberry Pi using Python:**