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**Canny edge detection**

**the Canny edge detector is an edge detection operator that uses a multi-stage algorithm to detect a wide range of edges in images.**

**Instructions**

**Installing python and libraries**

Python version: python 3.75

**Required libraries to install:**

numpy

matplotlib

opencv-python

opencv-contrib-python

**use terminal**

**1.** Install pip using following link

<https://phoenixnap.com/kb/install-pip-windows>

2. installing packages

Open the terminal and type this command

Pip3 install yourpackage

Ex: pip3 install numpy

Pip3 install opencv-python

**Run the code**

**Using webcam:**

Change the line number 26 to follow

cap = cv2.VideoCapture(0)

**Using USB camera:**

cap = cv2.VideoCapture(1)

**Option2 : Use terminal without IDE**

Open cmd and navigate(cd) to the project location and the type

Python3 real-time\_edge\_detect.py