```
import cv2
import sys
import os
from zipfile import ZipFile
from urllib.request import urlretrieve
def download and unzip(url, save path):
   print(f"Downloading and extracting assests....", end="")
    # Downloading zip file using urllib package.
   urlretrieve(url, save path)
    try:
        # Extracting zip file using the zipfile package.
       with ZipFile(save_path) as z:
           # Extract ZIP file contents in the same directory.
           z.extractall(os.path.split(save_path)[0])
       print("Done")
   except Exception as e:
       print("\nInvalid file.", e)
URL = r"https://www.dropbox.com/s/efitgt363ada95a/opencv_bootcamp_assets 12.zip?dl=1"
asset zip path = os.path.join(os.getcwd(), f"opencv bootcamp assets 12.zip")
# Download if assest ZIP does not exists.
if not os.path.exists(asset zip path):
   download_and_unzip(URL, asset_zip_path)
s = 0
if len(sys.argv) > 1:
   s = sys.argv[1]
source = cv2.VideoCapture(s)
windowName = "Camera Preview"
cv2.namedWindow(windowName, cv2.WINDOW NORMAL)
# This Function Specifically Design to Read Caffe Model
# This Function Takes Two Arguments --> First is THe Network Architecture Information and Second is The Model File
net = cv2.dnn.readNetFromCaffe('../Face-Detection/deploy.prototxt',
                              '../Face-Detection/res10 300x300 ssd iter 140000 fp16.caffemodel')
# Model Parameters
width = 300
height = 300
mean = [104, 117, 123]
conf threshold = 0.7
while cv2.waitKey(1) != 27:
   has_frame, frame = source.read()
    if not has frame:
       break
   frame = cv2.flip(frame, 1)
    frameHeight = frame.shape[0]
   frameWidth = frame.shape[1]
    # Crete a 4D blob from a Frame to Preprocessing Input Image in Proper Format
   blob = cv2.dnn.blobFromImage(frame, 1.0, (width, height), mean, swapRB=False, crop=False)
    # Run a Model
   net.setInput(blob)
   detections = net.forward()
   for i in range(detections.shape[2]):
       confidence = detections[0, 0, i, 2]
       if confidence > conf_threshold:
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x left bottom = int(detections[0, 0, i, 3] * frameWidth)
          y_left_bottom = int(detections[0, 0, i, 4] * frameHeight)
          x_{right_top} = int(detections[0, 0, i, 5] * frameWidth)
          y_right_top = int(detections[0, 0, i, 6] * frameHeight)
          cv2.rectangle(frame, (x_left_bottom, y_left_bottom), (x_right_top, y_right_top), (0, 255, 0))
          label = "Confidence: %.4f" % confidence
          label_size, baseline = cv2.getTextSize(label, cv2.FONT_HERSHEY_SIMPLEX, 0.5, 1)
          (255, 255, 255), cv2.FILLED)
          cv2.putText(frame, label, (x_left_bottom, y_left_bottom),
                     cv2.FONT_HERSHEY_SIMPLEX, 0.5, (0, 0, 0))
   t, = net.getPerfProfile()
   label = "Inference time: %.2f ms" % (t * 1000.0 / cv2.getTickFrequency())
   cv2.putText(frame, label, (0, 15), cv2.FONT_HERSHEY_SIMPLEX, 0.5, (0, 255, 0))
  cv2.imshow(windowName, frame)
source.release()
cv2.destroyAllWindows(windowName)
```