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import os
from os.path import exists, join, basename, splitext

git_repo_url = 'https://github.com/CMU-Perceptual-Computing-Lab/
openpose.git'
project_name = splitext(basename(git_repo_url))[0]
if not exists(project_name):
    # see: https://github.com/CMU-Perceptual-Computing-Lab/openpose/
    issues/949
    # install new CMake because of CUDA10
    !wget -q https://cmake.org/files/v3.13/cmake-3.13.0-Linux-
x86_64.tar.gz
    !tar xzf cmake-3.13.0-Linux-x86_64.tar.gz --strip-components=1 -C /
usr/local
    # clone openpose
    !git clone -q --depth 1 $git_repo_url
    !sed -i 's/execute_process(COMMAND git checkout master
WORKING_DIRECTORY ${CMAKE_SOURCE_DIR}\3rdparty\caffe)/
execute_process(COMMAND git checkout
f019d0dfe86f49d1140961f8c7dec22130c83154 WORKING_DIRECTORY $
{CMAKE_SOURCE_DIR}\3rdparty\caffe)/g' openpose/CMakeLists.txt
    # install system dependencies
    !apt-get -qq install -y libatlas-base-dev libprotobuf-dev
libleveldb-dev libsnappy-dev libhdf5-serial-dev protobuf-compiler
libgflags-dev libgoogle-glog-dev liblmdb-dev opencv-headers ocl-icd-
opencv-dev libviennacl-dev
    # install python dependencies
    !pip install -q youtube-dl
    # build openpose
    !cd openpose && rm -rf build || true && mkdir build && cd build &&
cmake .. && make -j`nproc`

cd openpose
!./build/examples/openpose/openpose.bin --video 'root_of_video' --
write_video 'root_of_output' --disable_blending --display 0

```