How to evaluate your script on bagfile using a lab computer

in one terminal run following commands:

singularity shell --bind /opt/torchenv --bind /opt/barbie /opt/ros-kinetic-desktop-full.simg

source /opt/ros/kinetic/setup.bash

roscore &

rosrun image_transport republish compressed in:=/camera/rgb/image_raw raw out:=/camera/rgb/image_raw &
        - *this will uncompress compressed image in bagfile*

in the second terminal run following commands:

singularity shell --bind /opt/torchenv --bind /opt/barbie /opt/ros-kinetic-desktop-full.simg

source /opt/ros/kinetic/setup.bash

source /opt/torchenv/bin/activate

rosparam set /use_sim_time true

source *your_catkin_ws*/devel/setup.bash

roslaunch barbie_detection detector.launch

in the third terminal run following commands:

singularity shell --bind /opt/torchenv --bind /opt/barbie /opt/ros-kinetic-desktop-full.simg

source /opt/ros/kinetic/setup.bash

rosbag play /opt/barbie/2019-03-30-12-42-27.bag

in the forth terminal run following commands:

singularity shell --bind /opt/torchenv --bind /opt/barbie /opt/ros-kinetic-desktop-full.simg

source /opt/ros/kinetic/setup.bash

rviz (for visualization visualize)