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How to enable ASCII support in ns-3?
  AsciiTraceHelper ascii;
  pointToPoint.EnableAsciiAll (ascii.CreateFileStream ("abc1.tr"));
How to use TraceMetrics?
  http://mohittahiliani.blogspot.com/2014/08/ns-3-tracemetrics-trace-file-analyzer.html
How to use Valgrind to detect memory leaks?
  ./waf --valgrind --run first (or any file from the scratch is being used then ./waf --valgrind --run
scratch/first)
   Failure to call simulator will create memory leaks in this.
How to use gdb?
       ./waf --command-template="gdb %s" --run program_name
       This opens a gdb terminal to debug the program.
How can ipv6 support be enabled in ns-3?
       change Ipv4 accordingly:
       Ipv6AddressHelper address;
       address.SetBase (Ipv6Address ("2001:db8::"), Ipv6Prefix (64));
       Ipv6InterfaceContainer interfaces = address.Assign (devices);
Flow monitor and how to use it?
       writing all these statements after NS_LOG_INFO ("Run Simulation.");
       Ptr<FlowMonitor> flowMonitor;
    FlowMonitorHelper flowHelper;
    flowMonitor = flowHelper.InstallAll();
       and then this after simuator destroy
       flowMonitor->SerializeToXmlFile("NameOfFile.xml", true, true);
To create pcap and cwndfile follow the sixth.cc
link to plot gnu for fifth.cc :- https://www.nsnam.org/docs/release/3.9/tutorial_31.html
pcap enabling link:-https://www.youtube.com/watch?v=xeJlZqhFpyY
netanim link:- https://www.youtube.com/watch?
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v=HRAjKRrvgh4&list=PLRAV69dS1uWQEbcHnKbLldvzrjdOcOIdY&index=5

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how to use netanim?

#include "ns3/netanim-module.h"

then before simulator run

add

AnimationInterface anim("anim1.xml");

anim.SetConstantPosition(nodes.Get(0), 1.0,2.0);

anim.SetConstantPosition(nodes.Get(1), 2.0,3.0);

go to netanim folder ./NetAnim open the anim1.xml file created
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link:-http://personal.ee.surrey.ac.uk/Personal/K.Katsaros/media/ns3lab-sol/lab-1-solved.cc

https://www.projectguideline.com/using-ns-3-topology-generator/