*from mininet.net import Mininet*

*from mininet.node import RemoteController*

*from mininet.cli import CLI*

*from mininet.log import setLogLevel, info*

*def Topo():*

*net = Mininet( controller=RemoteController )*

*info( '\*\*\* Adding controller\n' )*

*net.addController('c0')*

*info( '\*\*\* Adding hosts\n' )*

*h1 = net.addHost( 'h1', ip='10.0.0.1', mac='00:00:00:00:00:01' )*

*h2 = net.addHost( 'h2', ip='10.0.0.2', mac='00:00:00:00:00:02' )*

*h3 = net.addHost( 'h3', ip='10.0.0.3', mac='00:00:00:00:00:03' )*

*h4 = net.addHost( 'h4', ip='10.0.0.4', mac='00:00:00:00:00:04' )*

*info( '\*\*\* Adding switches\n' )*

*s1 = net.addSwitch( 's1' )*

*s2 = net.addSwitch( 's2' )*

*info( '\*\*\* Creating links\n' )*

*net.addLink( h1, s1 )*

*net.addLink( h2, s1 )*

*net.addLink( h3, s1 )*

*net.addLink( h4, s1 )*

*info( '\*\*\* Starting network\n')*

*net.start()*

*info( '\*\*\* Running CLI\n' )*

*CLI( net )*

*info( '\*\*\* Stopping network' )*

*net.stop()*

*if \_\_name\_\_ == '\_\_main\_\_':*

*setLogLevel( 'info' )*

*Topo()*