```python
from mininet.net import Mininet

from mininet.node import Controller

from mininet.cli import CLI

from mininet.log import setLogLevel, info


def emptyNet():

    net = Mininet( controller=Controller )


    info( '*** Adding controller\n' )
    net.addController( 'c0' )


    info( '*** Adding hosts\n' )
    h1 = net.addHost( 'h1', ip='10.0.0.1' )

    h2 = net.addHost( 'h2', ip='10.0.0.2' )

    h3 = net.addHost( 'h3', ip='10.0.0.3' )

    h4 = net.addHost( 'h4', ip='10.0.0.4' )


    info( '*** Adding switch\n' )
    s1 = net.addSwitch( 's1' )


    info( '*** Creating links\n' )
    net.addLink( h1, s1 )

    net.addLink( h2, s1 )
```

```python
    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' )

        emptyNet()
```

```
root@ubuntu:~# sudo python3 lab.py
mininet> net
h1 h1-eth0:s1-eth1
h2 h2-eth0:s1-eth2
h3 h3-eth0:s2-eth1
h4 h4-eth0:s2-eth2
s1 lo:  s1-eth1:h1-eth0 s1-eth2:h2-eth0 s1-eth3:s2-eth3
s2 lo:  s2-eth1:h3-eth0 s2-eth2:h4-eth0 s2-eth3:s1-eth3
mininet>
Interrupt
mininet>
Interrupt
mininet>
Interrupt
mininet>
Interrupt
mininet>
Interrupt
mininet> clear
*** Unknown command: clear
mininet> clear()
*** Unknown command: clear()
mininet> exit()
root@ubuntu:~#
```