A**3:Write a program to demonstrate subletting and find the subnet masks.**

#!/usr/bin/env python

importipaddress

import sys

forarg in sys.argv[1:]:

print(arg)

addr = ipaddress.ip\_interface(arg)

print("IP address =", addr.ip)

print("Netmask =", addr.netmask)

print("Network Address =", addr.network.network\_address)

print("Broadcast Address=", addr.network.broadcast\_address)

start\_ip = addr.network.network\_address + 1

end\_ip = addr.network.broadcast\_address - 1

print("Range:",start\_ip,"to",end\_ip)

print("Max Nodes:",addr.network.num\_addresses-2)

print()

**OUTPUT:**

