

CYSE 270: Linux System for Cybersecurity

Assignment: Lab 11 - Networking Basics

Task-A:

<u>Category</u>	<u>IP Address</u>	<u>Binary Format</u>
Address	192.168.100.4	11000000.10101000.01100100.00000100
Netmask	28	11111111.11111111.11111111.11110000
Network address	192.168.100.0	11000000.10101000.01100100.0
Broadcast address	192.168.100.15	11000000.10101000.01100100.0
First IP	192.168.100.1	11000000.10101000.01100100.1
Last IP	192.168.100.14	11000000.10101000.01100100.1
Maximum host in the network	14	00001110

Task-B:

<u>Category</u>	<u>IP Address</u>	<u>Binary Format</u>
Address	170.1.0.0	10101010.00000001.00000000.00000000
Netmask	26	11111111.11111111.11111111.11000000
Network address	170.1.0.0	10101010.00000001.00000000.0
Broadcast address	170.1.0.63	10101010.00000001.00000000.0
First IP	170.1.0.1	10101010.00000001.00000000.1
Last IP	170.1.0.62	10101010.00000001.00000000.1
Maximum host in the network	62	00111110

