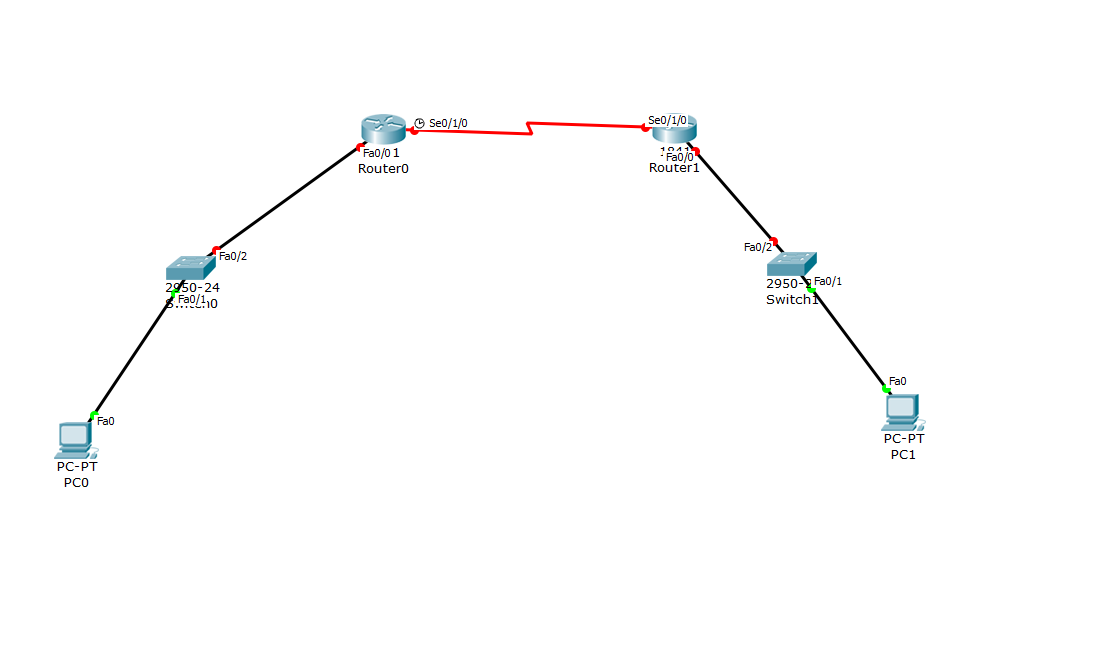
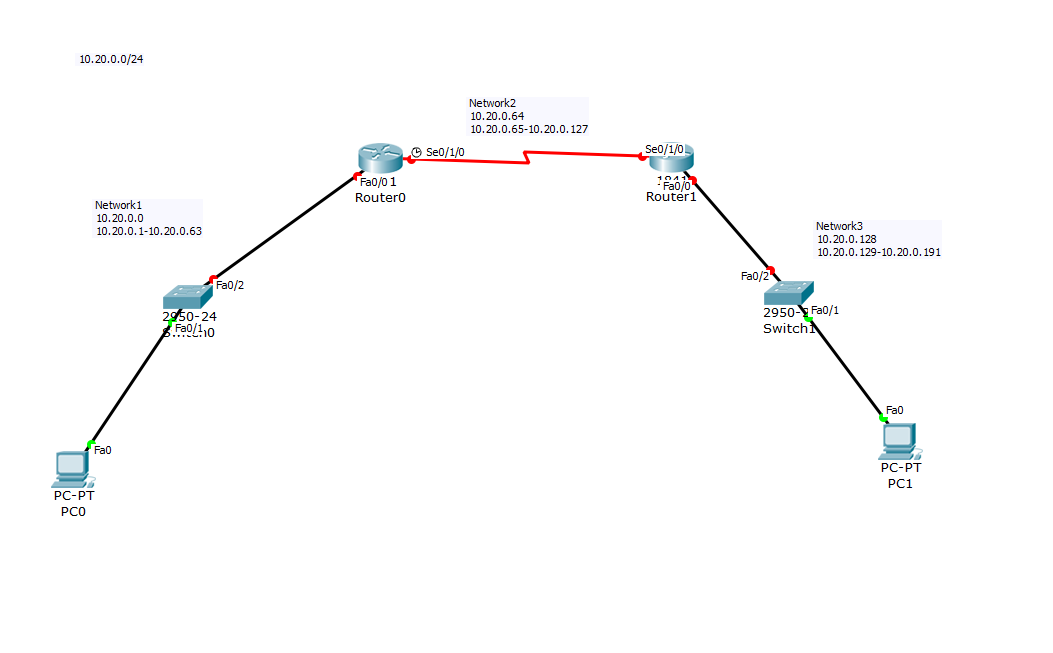
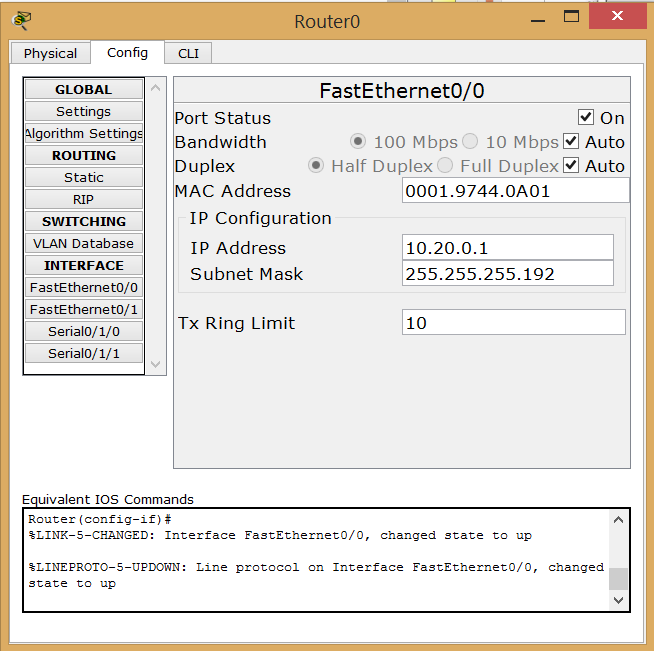
**CN LAB 09**

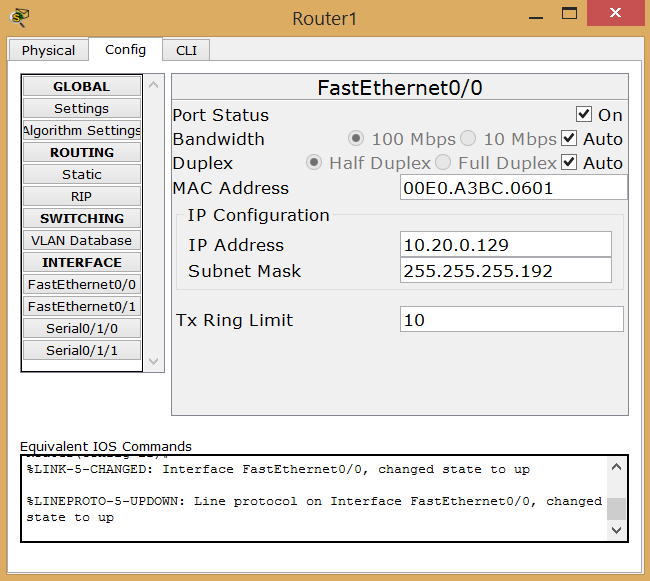
**SUBMITTED BY: AYESHA ZIA (20K-0414)**

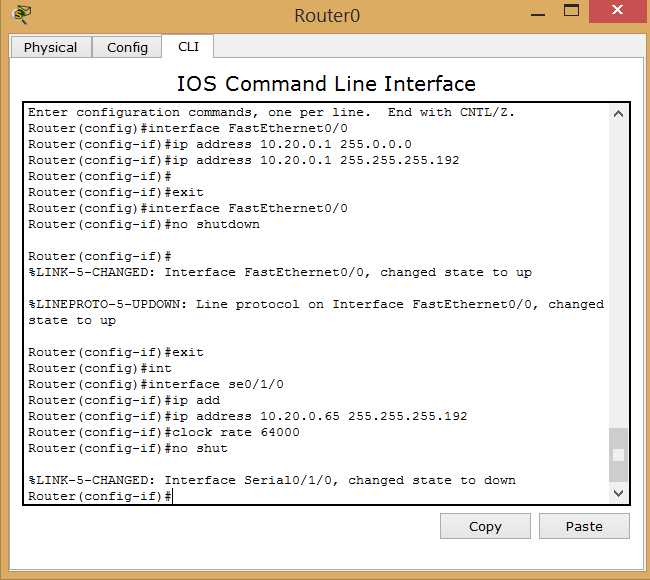
**QUESTION 01**

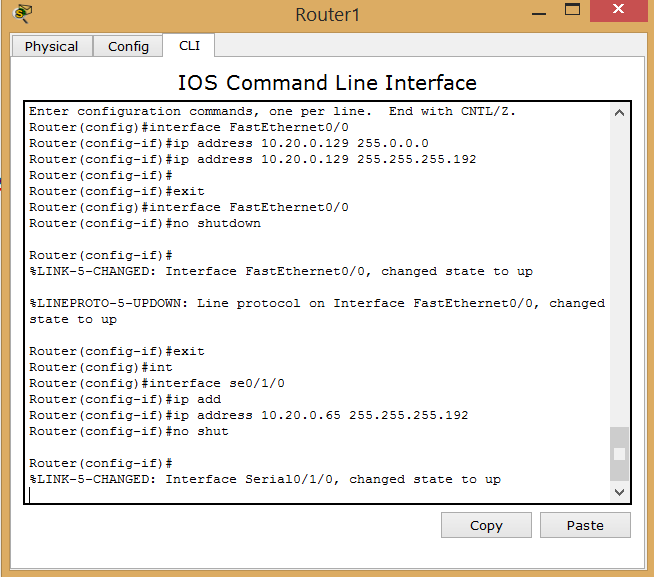


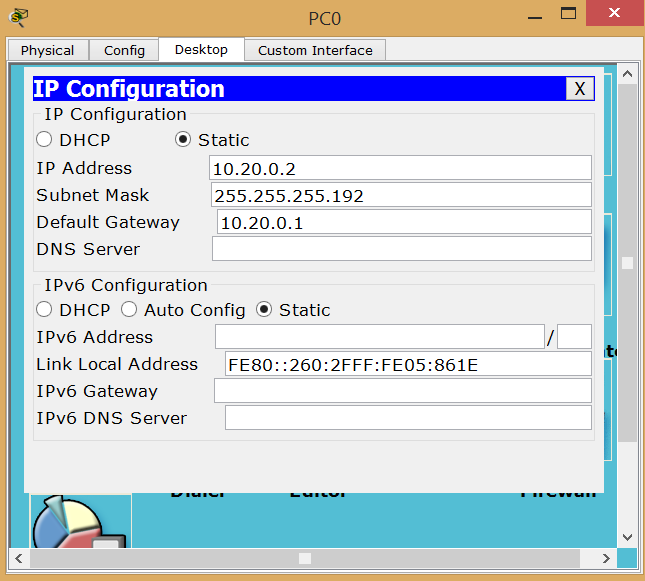


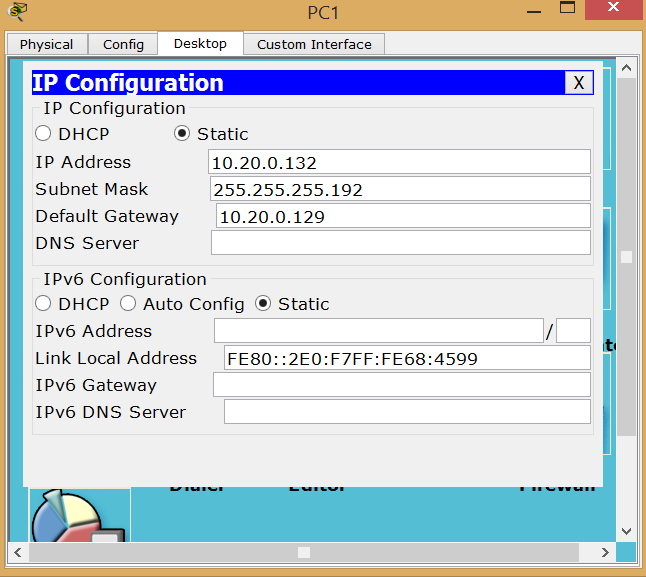


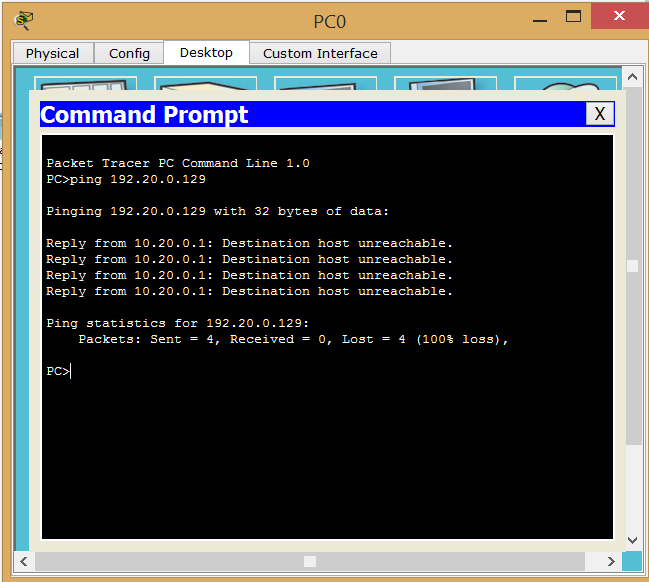


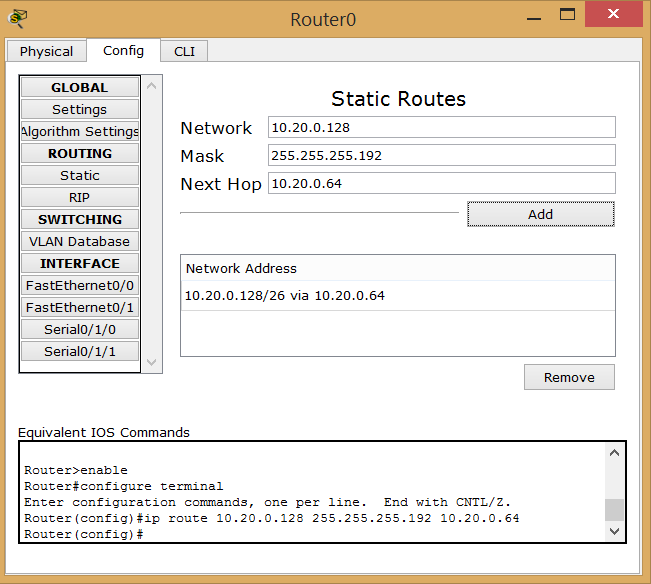


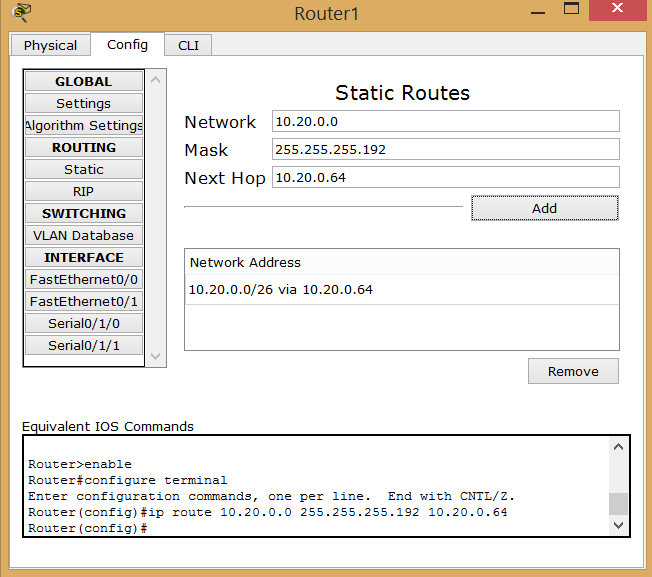


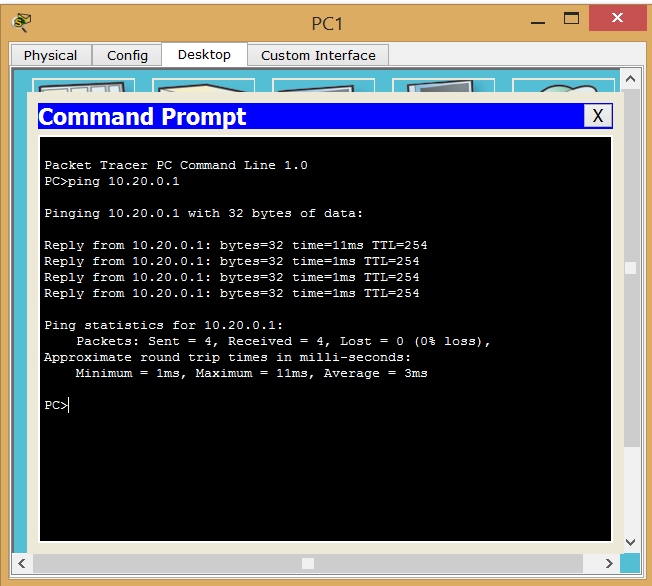












**QUESTION 02**

**IP Address=200.16.100.0/24**

1. Development

Available hosts=27 = 128

Subnets= 21 = 2 (only 1 bit has been borrowed)

Custom subnet mask= 255.255.255.128

IP Address Range = 200.16.100.0.1 – 200.16.100.127 (usable)

200.16.100.129 – 200.16.100.259 (not used)

1. Finance

Available hosts=26 = 64

Subnets= 22 = 4 (2 bits have been borrowed)

Custom subnet mask= 255.255.255.192

IP Address Range = 200.16.100.129 – 200.16.100.191

1. HR

Available hosts=24 = 16

Subnets= 24 = 16 (4 bits have been borrowed)

Custom subnet mask= 255.255.255.240

IP Address Range = 200.16.100.193 – 200.16.100.207

**QUESTION 03**

