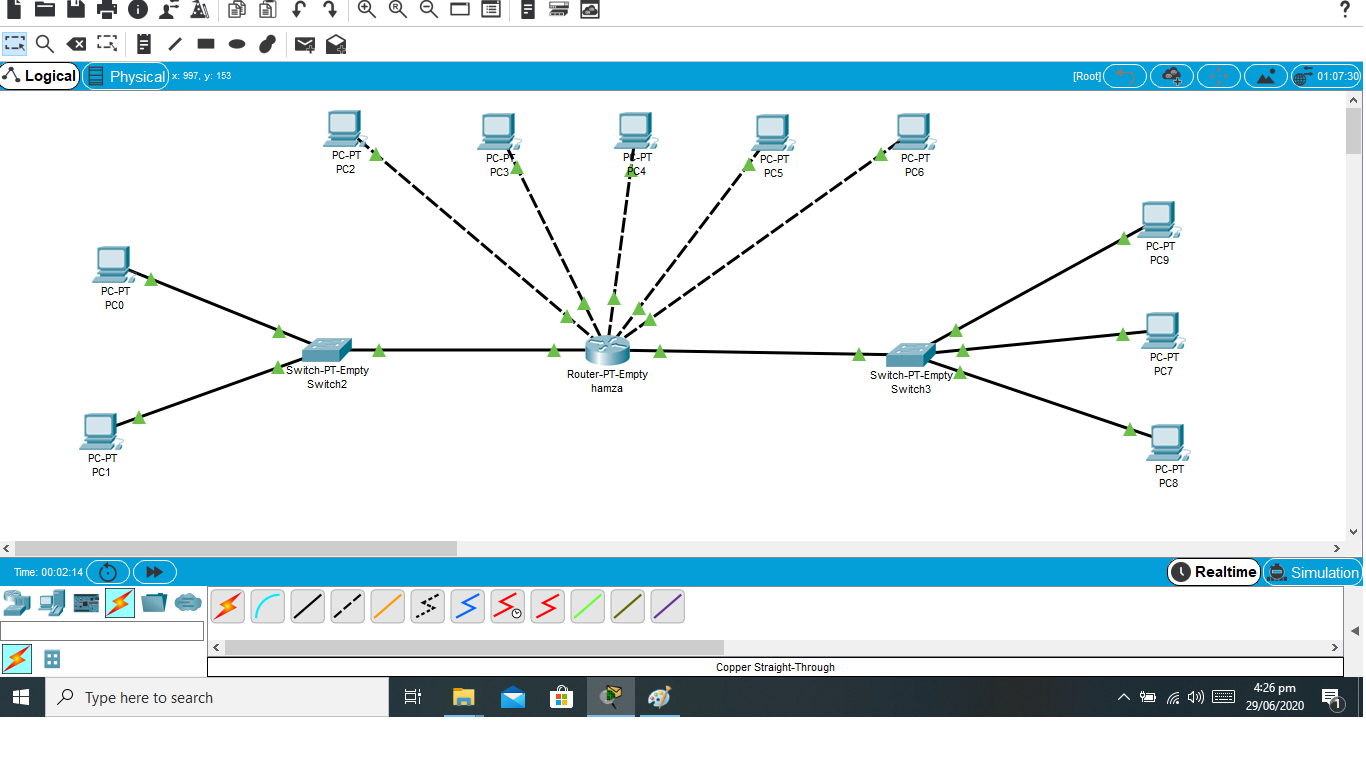
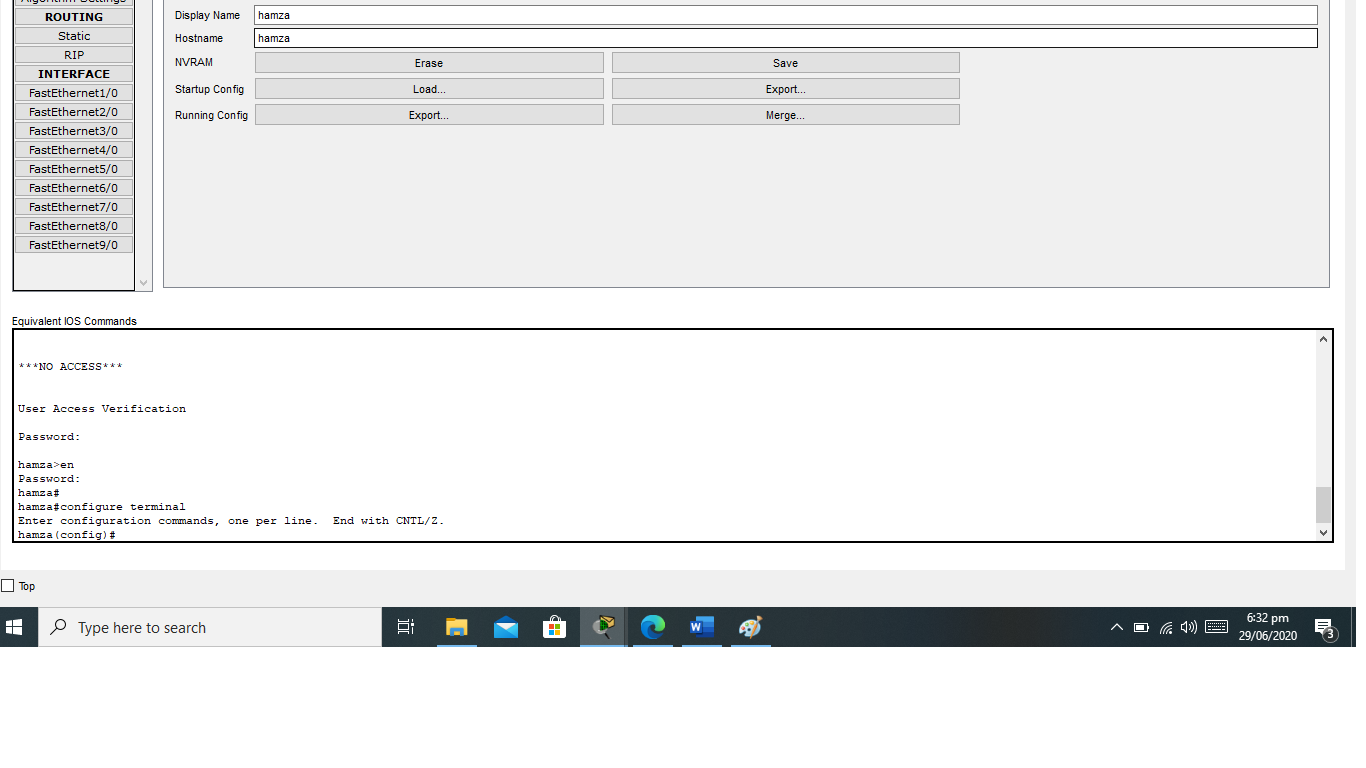
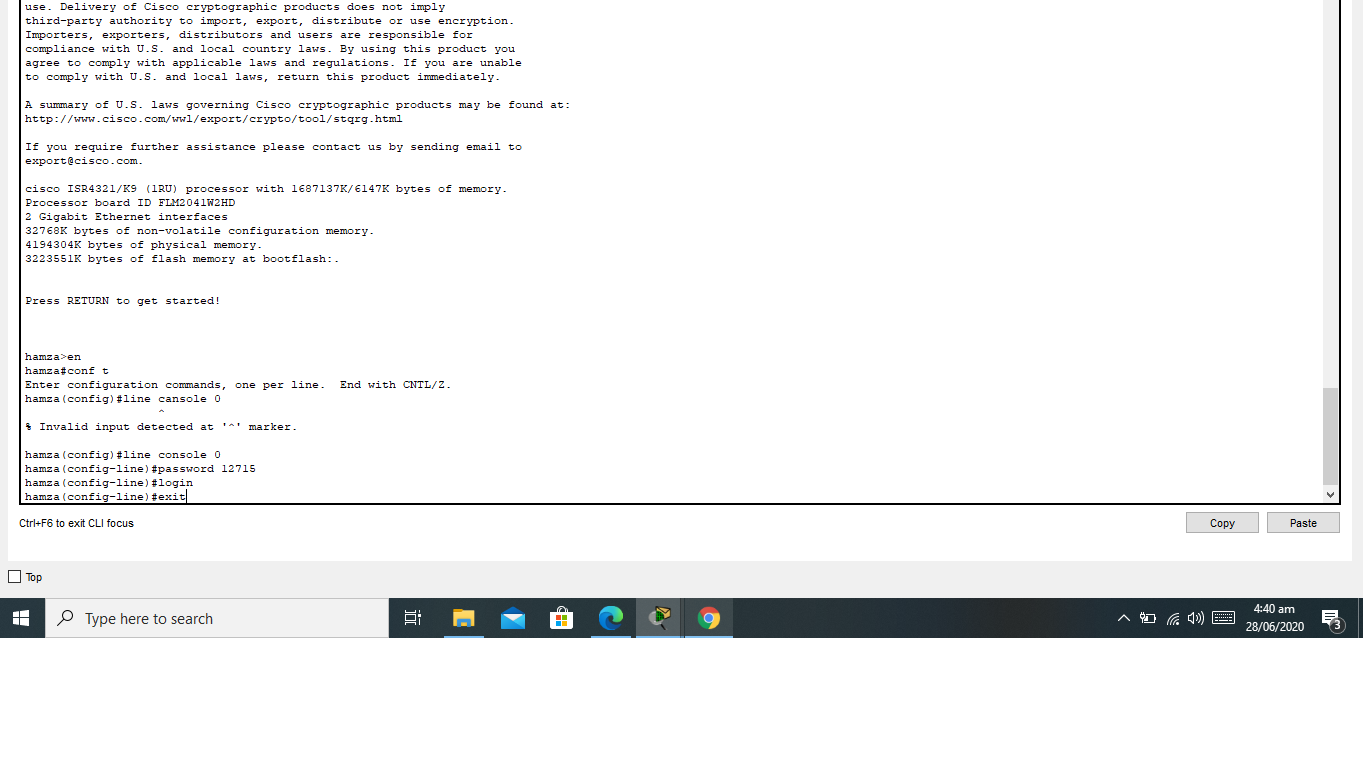
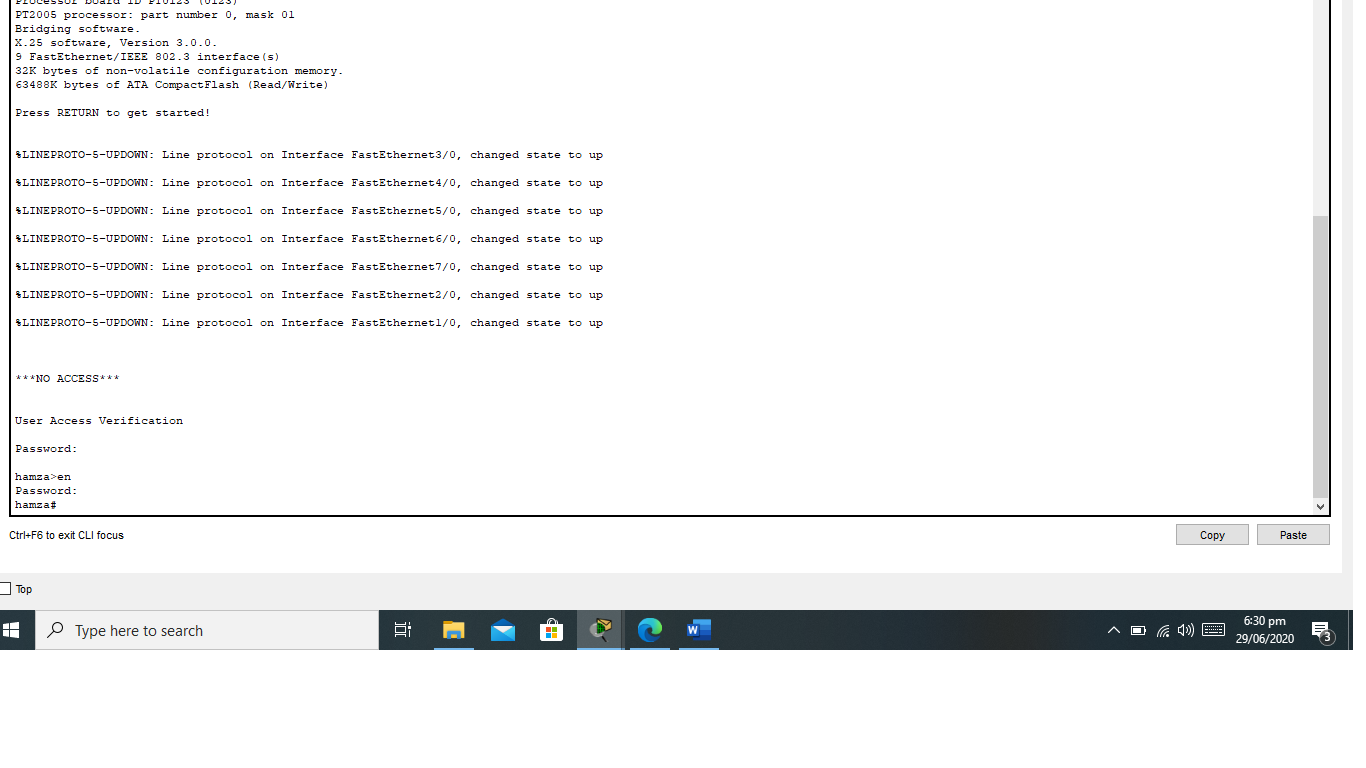
**Name: HAMZA MEHMOOD ID:12715**

Q1) Construct a network topology which have one router.

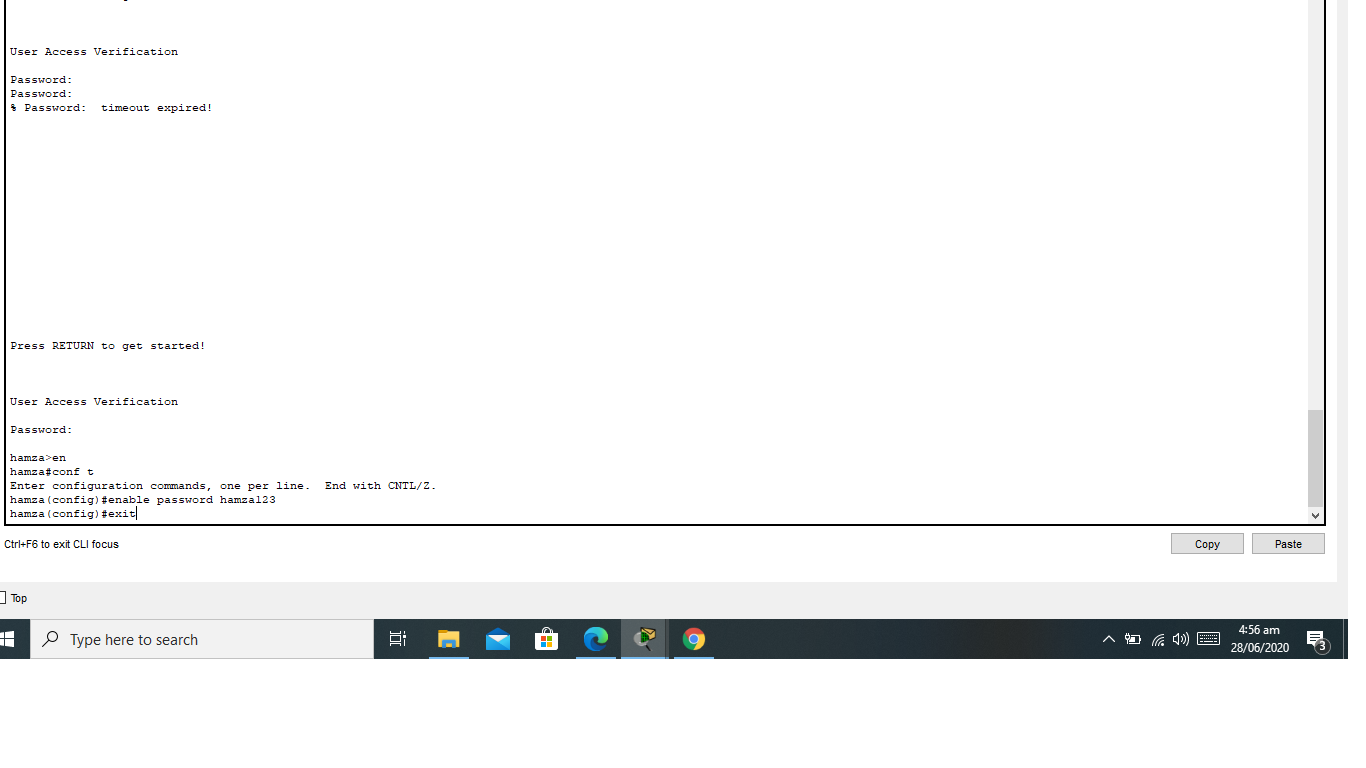
**Q2)** Give hostname to the router with your name like “hamza”

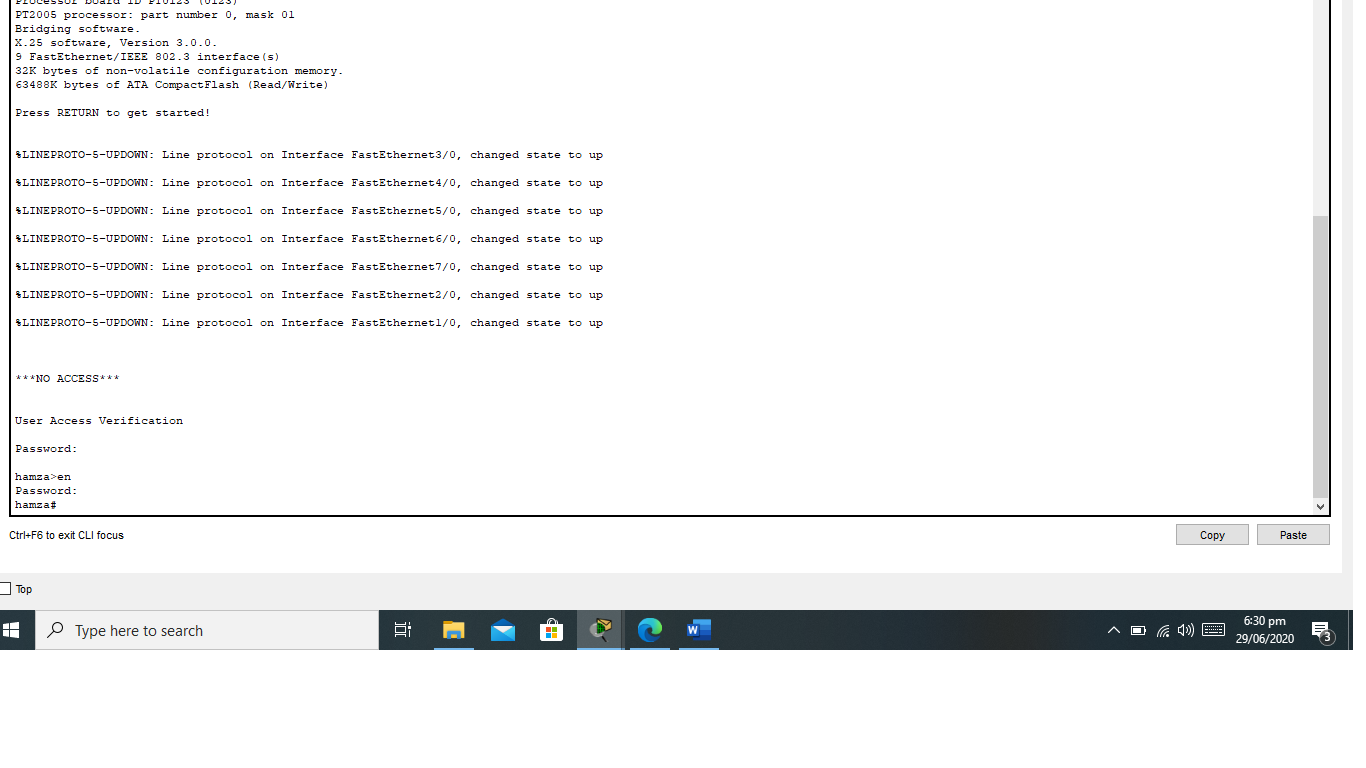
**Q3)** Apply login password as your roll number e.g. “12715” on the route



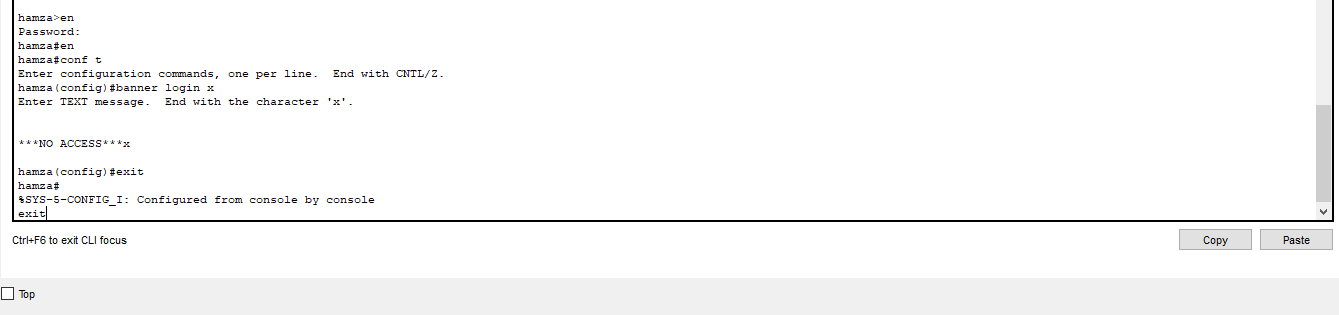


1. Enable secret password to it

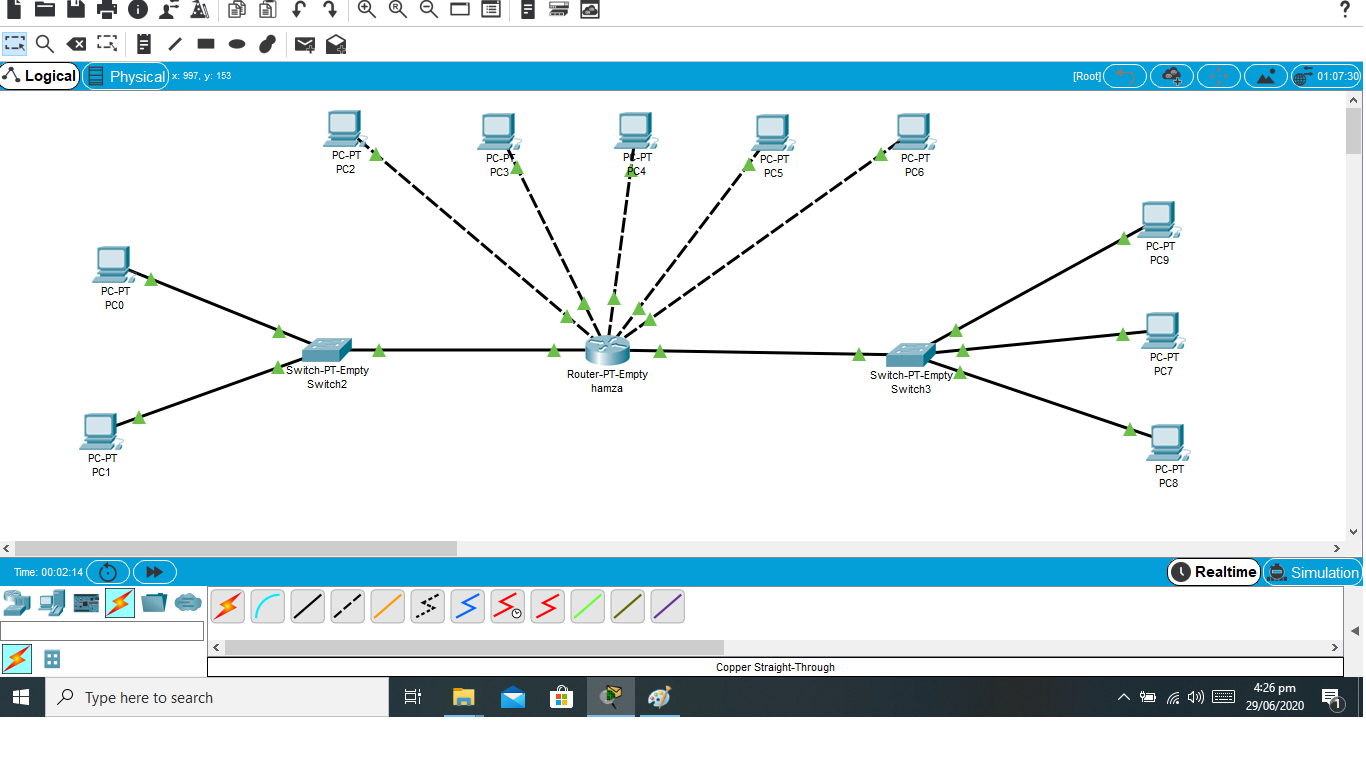
**Q4)** Enable secret password to it



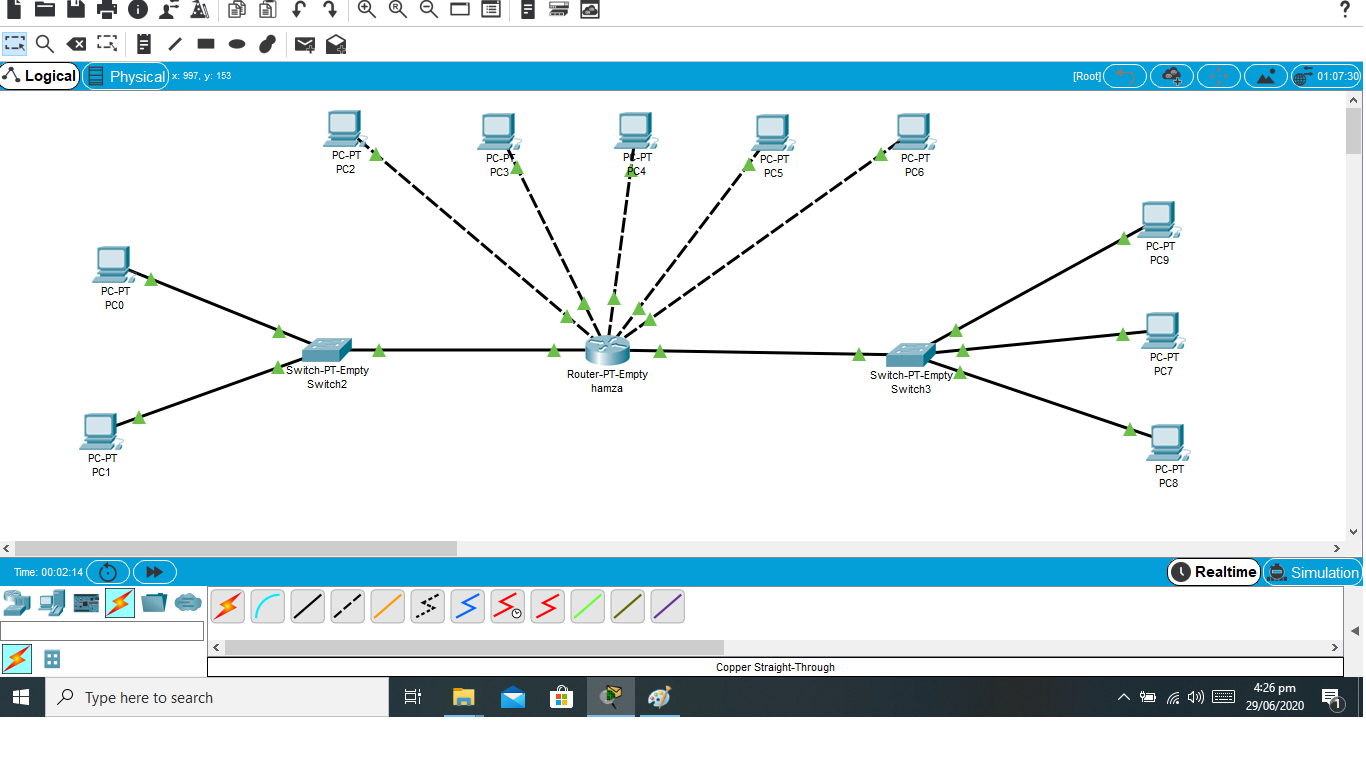
**Q5)**Show banner of “NO ACCESS” before login on the router and show the results.



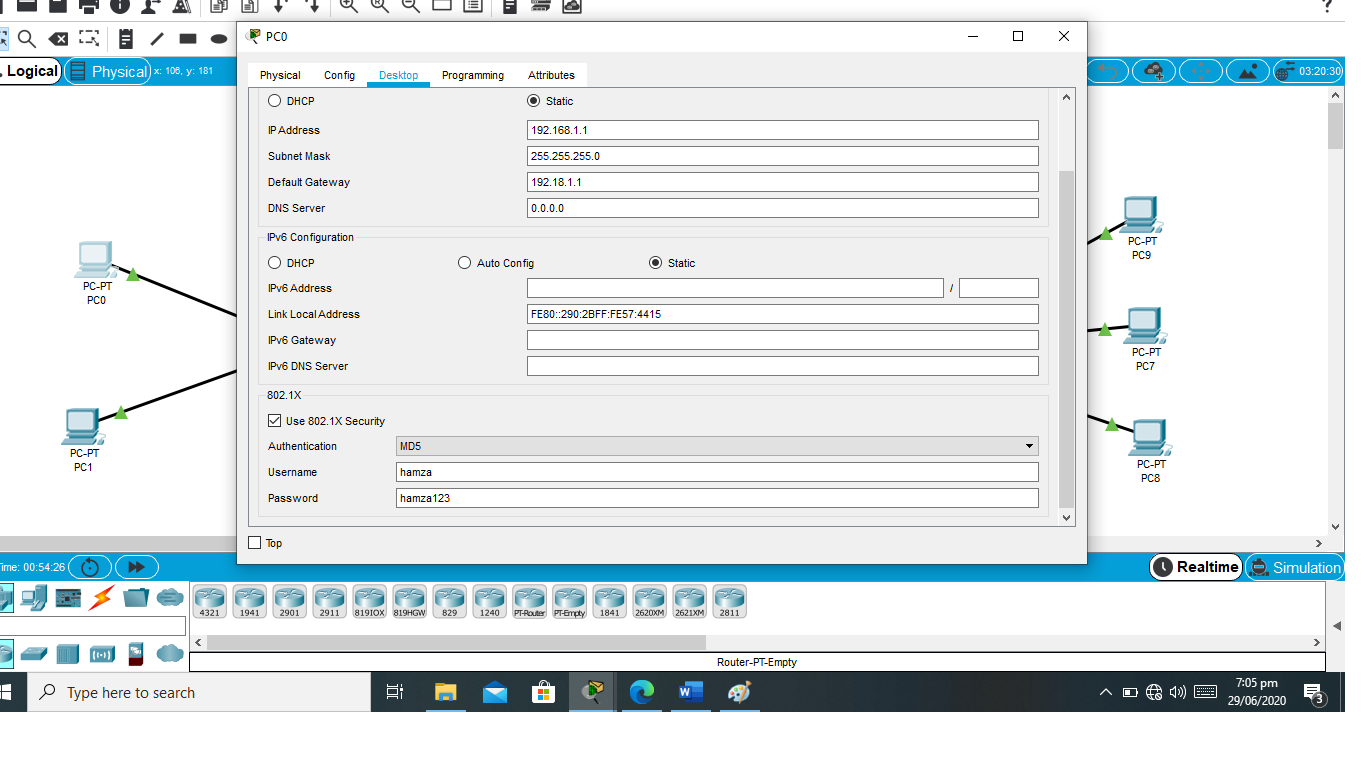


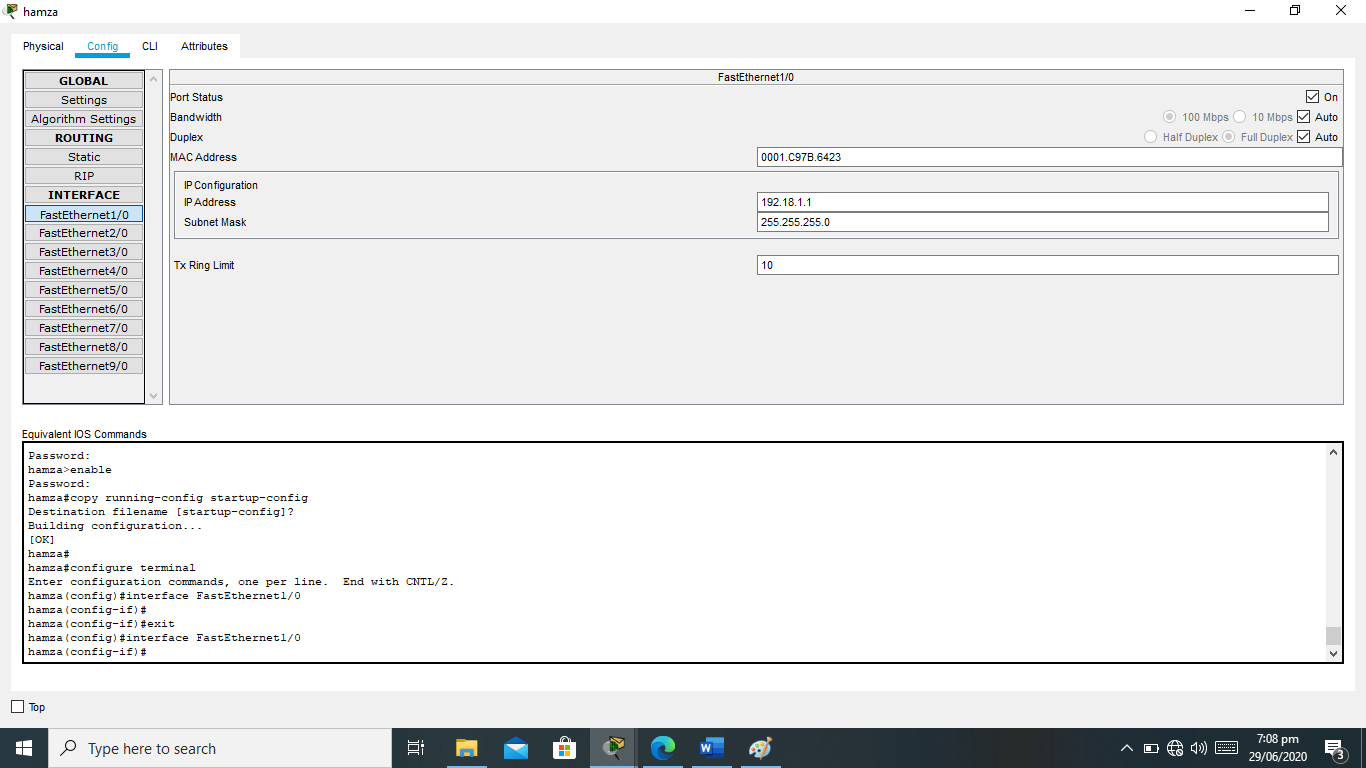
**Q6)** Router is connected with 5 computers

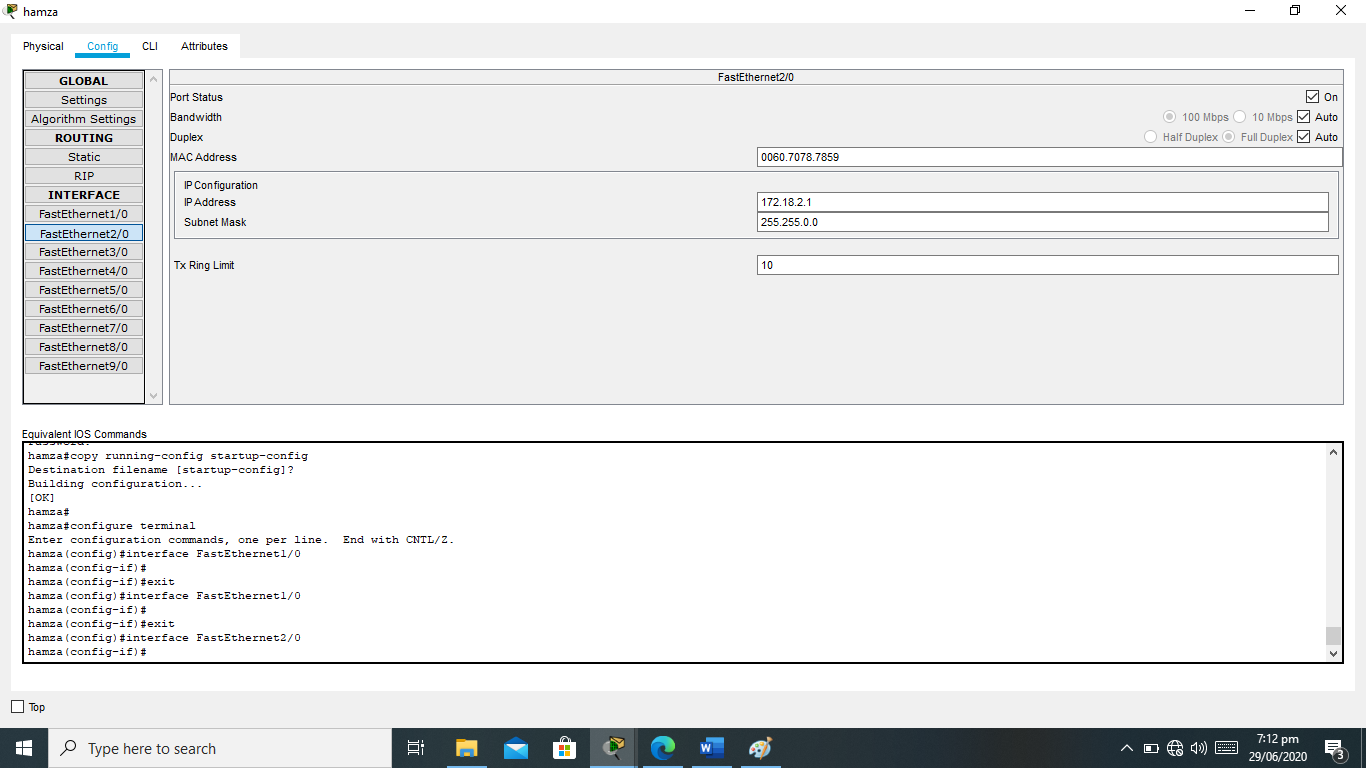
**Q7)** Also connect two switches with router which is connected with 2 of the computers from one side and 3 computers with other side

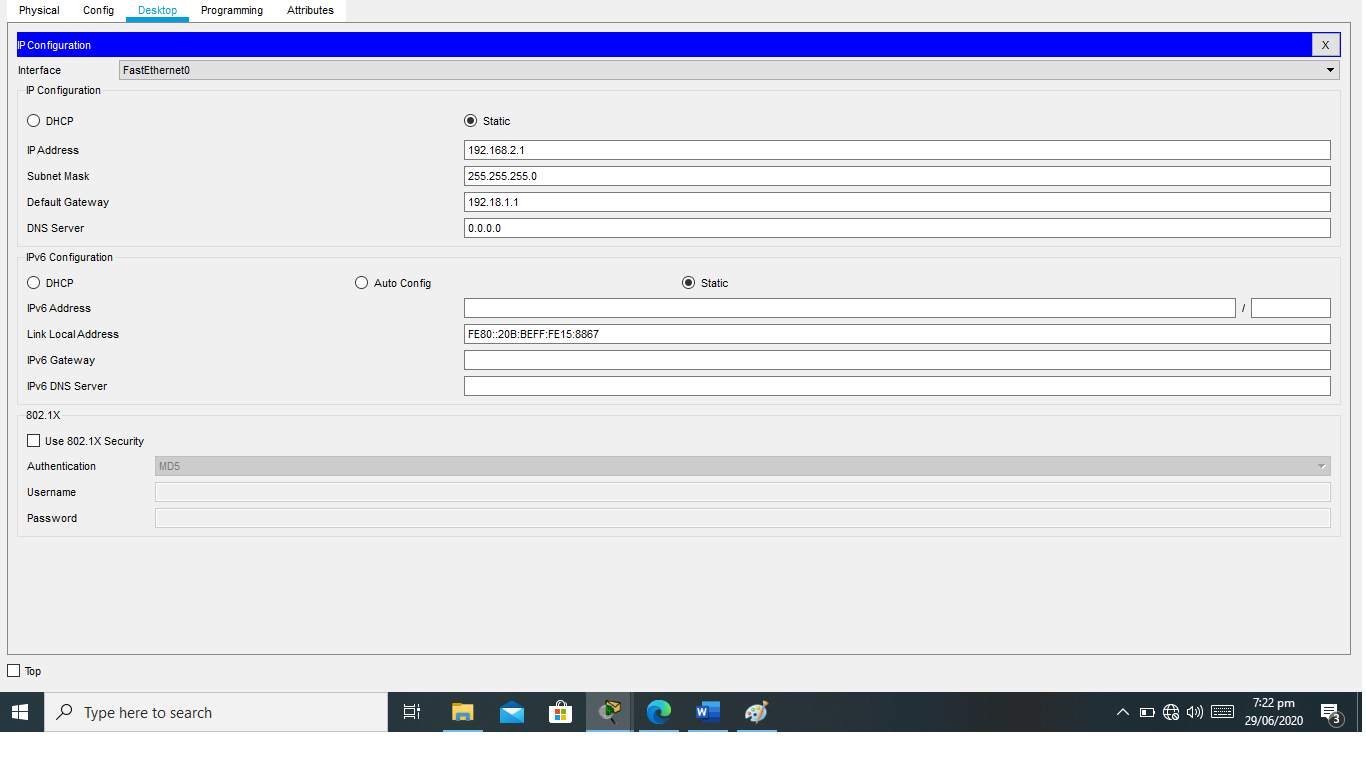


**8.** Assign the computers, switches and routers proper IP addresses, subnet mask and default gateways.

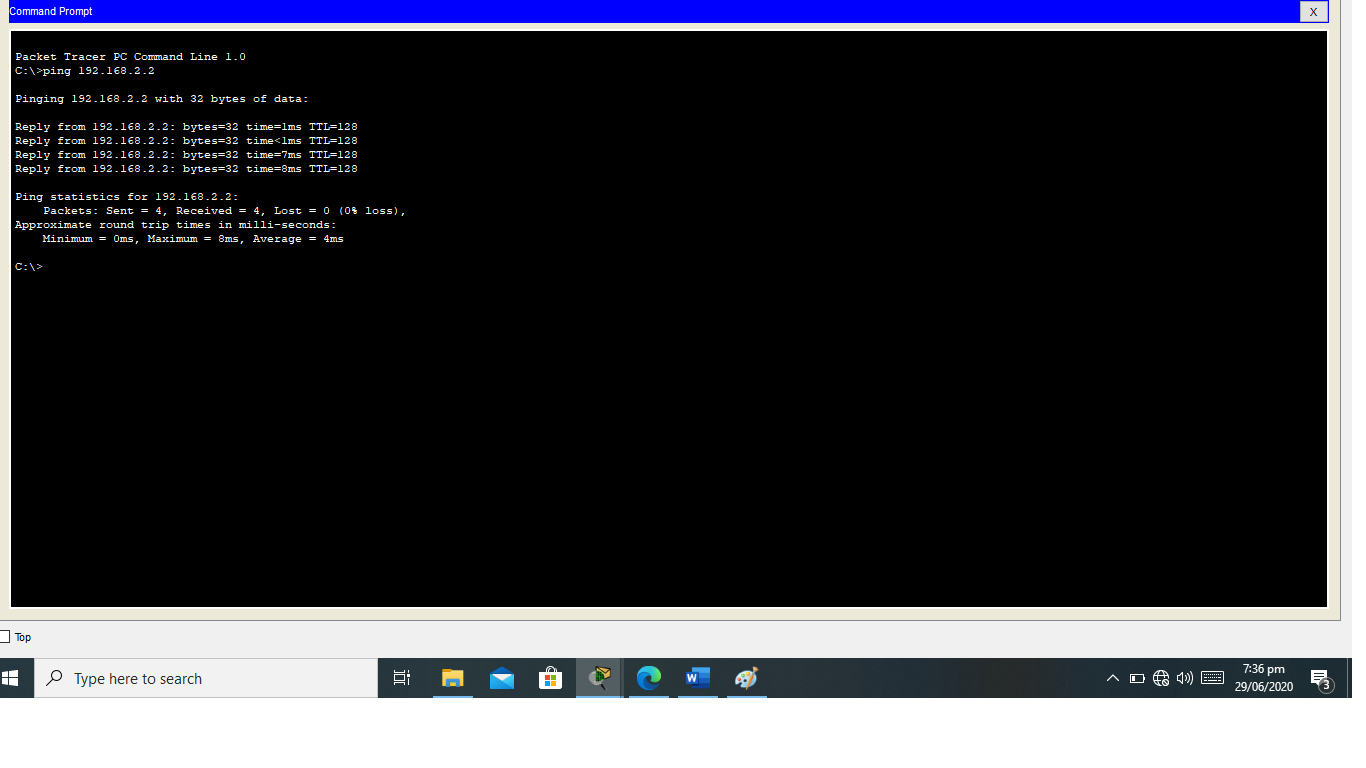
Note: Ip adress ,subnet mask and default get way of pc 1.

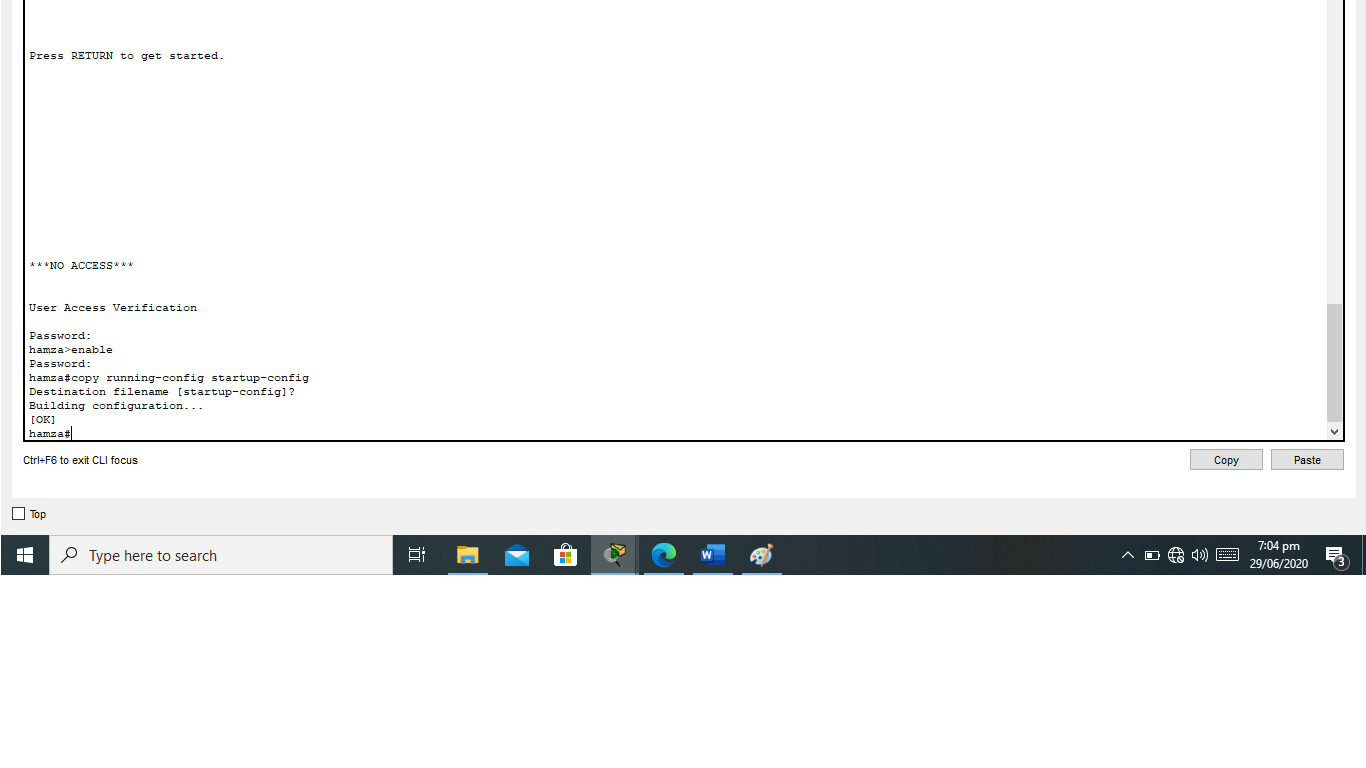
Note:ip configurationg of router



Note: pc 9 ip address:

**9.** Configure router using command line interface and ping one PC to other and show the results



**Q10)** In the end use “save your configurations” command and show the result.