Exercise – 12 PPP-Configuration

Aim
To Configure single Point to Point Protocol

Prerequisite:
Point to Point Protocol

Procedure:
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1. From the Network Devices category, select routers, and from the devices drag 2 routers into the workspace.
2. Connect connect routers using serial DTE cables.
3. To configure Cisco PPP, firstly we will enable PPP under the interface and after that, we will configure interface ip addresses. To enable PPP, we will use "encapsulation PPP" command under the interface. Here, we will do this under serial 0/0/0 interface.

4. Use the following commands to configure the router R1 using CLI

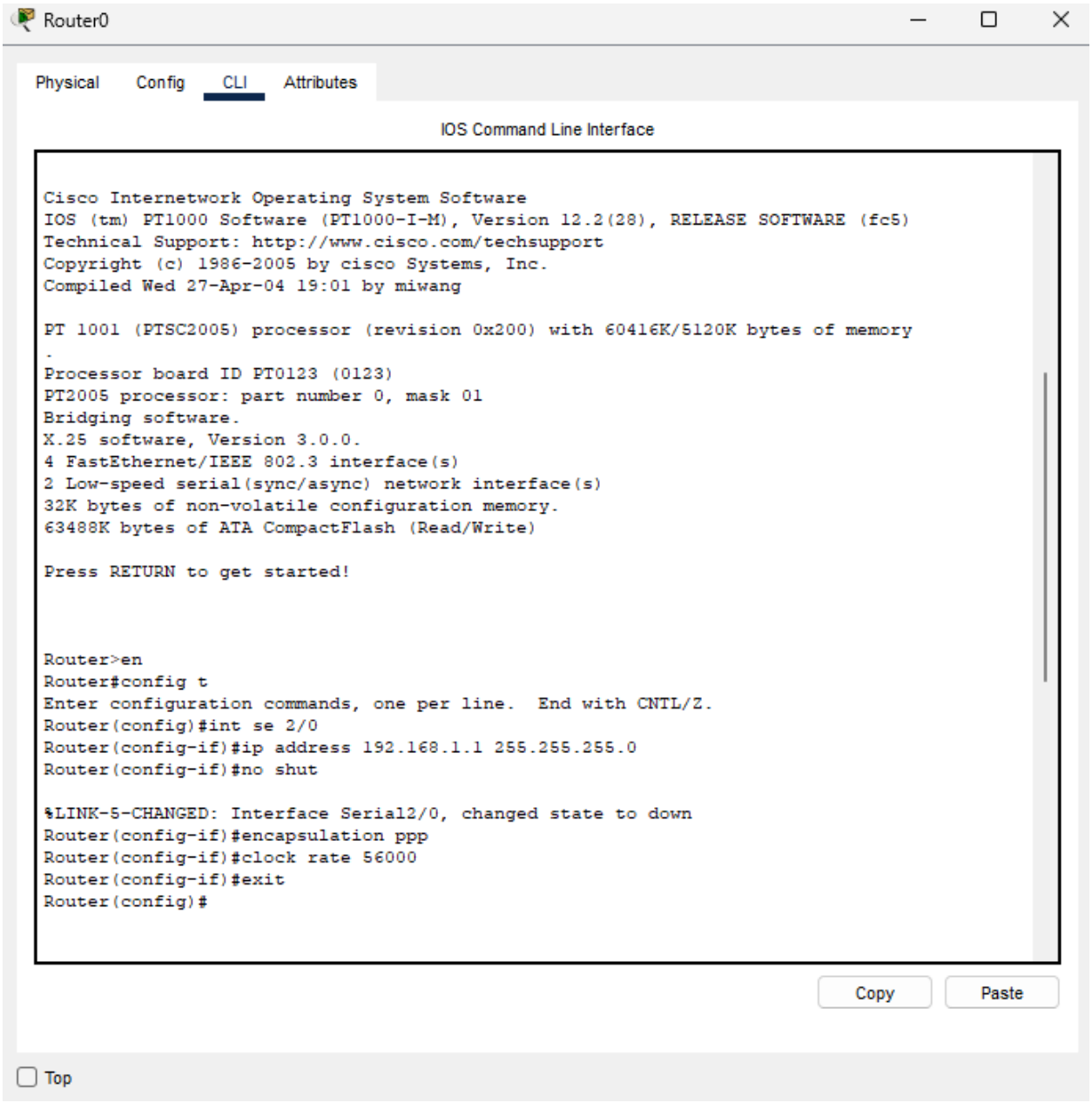
```
Router(config)#int se 2/0

Router(config-if)# ip address 192.168.1.1 255.255.255.0

Router(config-if)# no shut
```

Router(config)#in se 2/0

Router(config-if)#encapsulation ppp

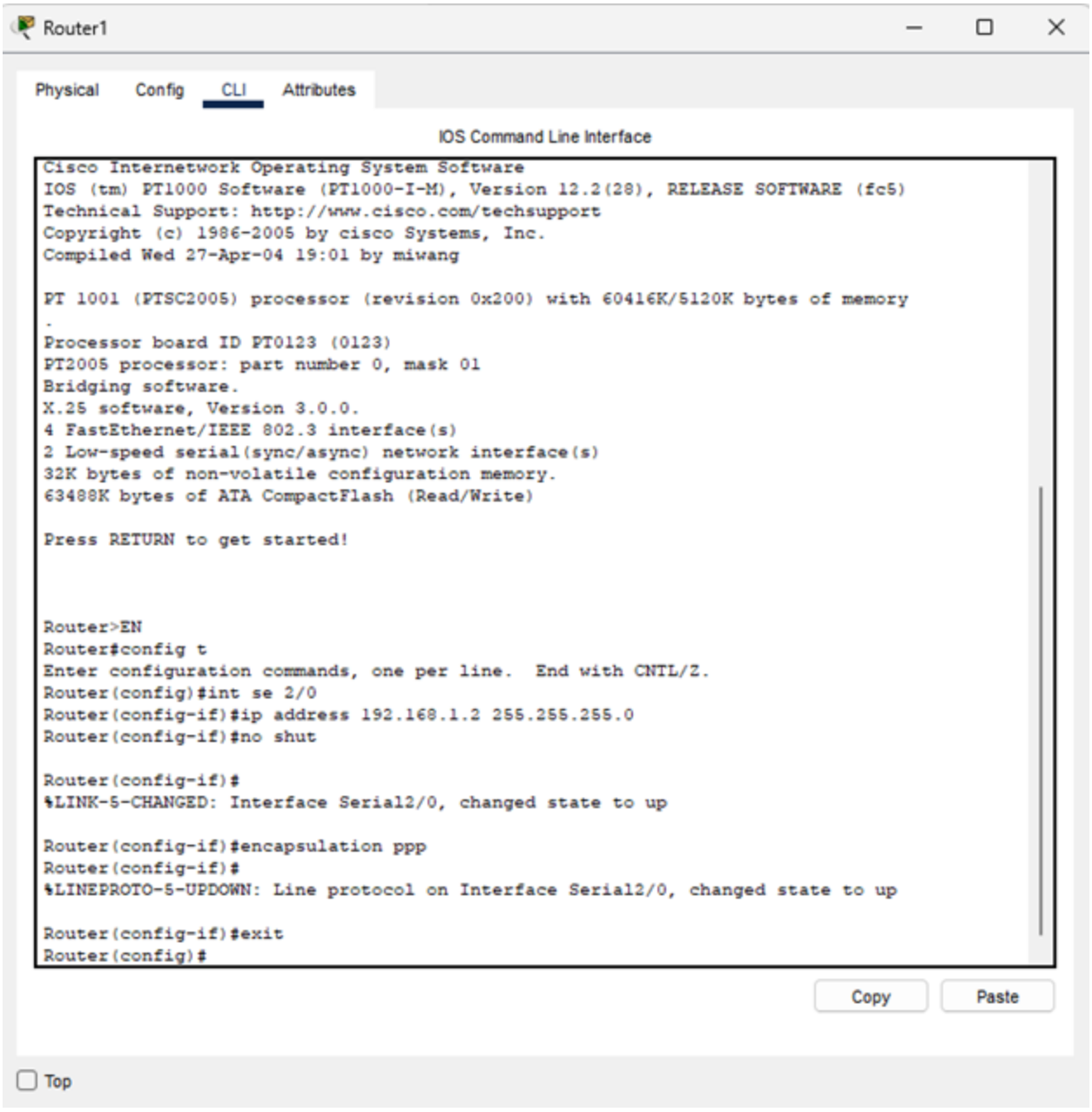
Router(config)#in se 2/0

Router(config-if)# clock rate 56000

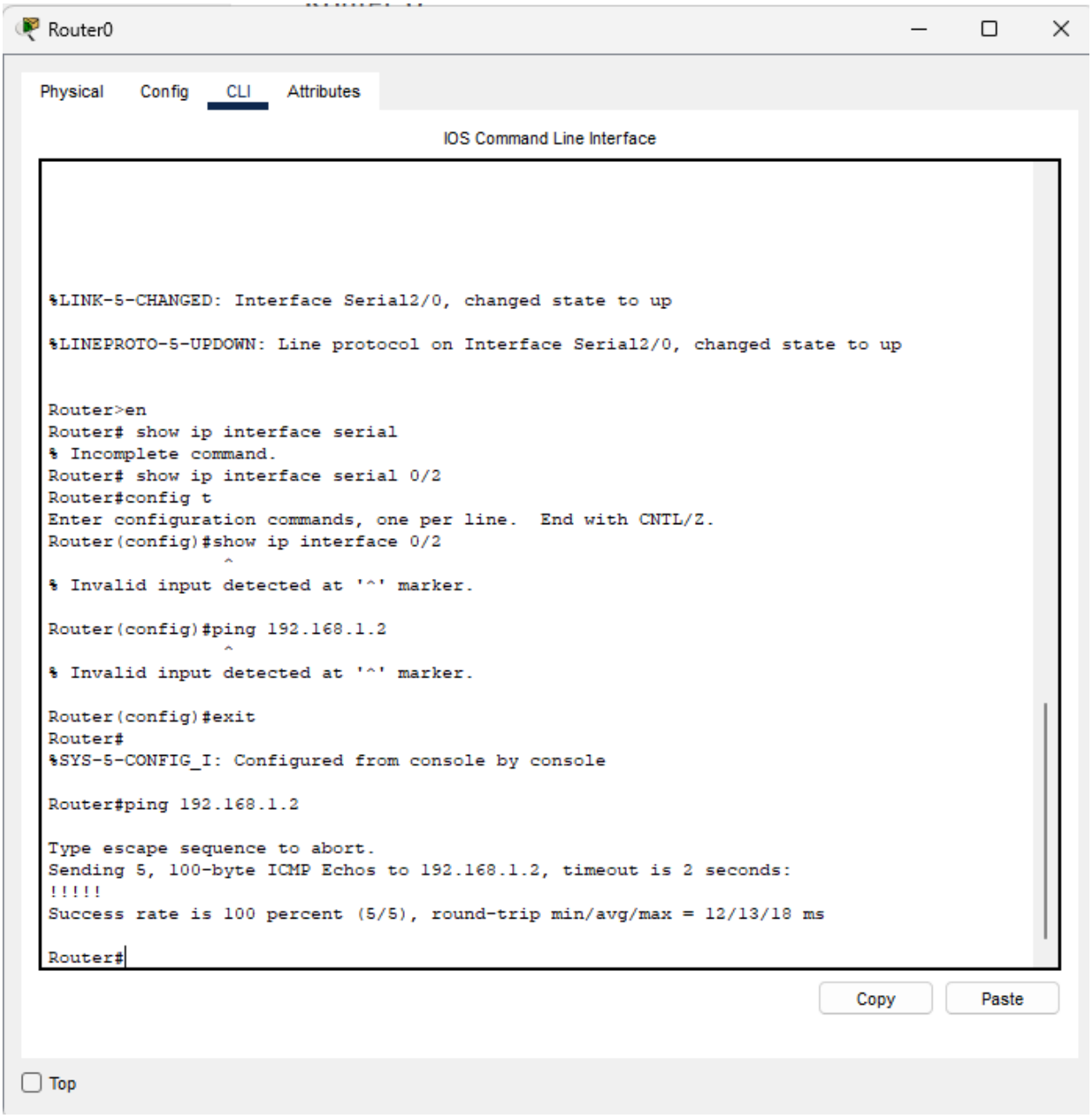


5. Use the following commands to configure the router R2 using CLI

```
Router(config)# int se 2/0

Router(config-if)# ip address 192.168.1.2 255.255.255.0

Router(config-if)# no shut

Router(config)#in se 2/0

Router(config-if)#encapsulation ppp
```



6. To verify Cisco HDLC configuration, on both routers we will use ping command.



CONCLUSION

We have successfully configured PPP configuration on two router using cisco packet tracer.