

***Abubakkar Abdullah***

***20p-0045***

***BCS-5B***

***Assignment 1***

**MODES:**

Press RETURN to get started!

Press RETURN to get started!

Router>

Router>|

IOS Command Line Interface

Router>enable

Router#

Router#

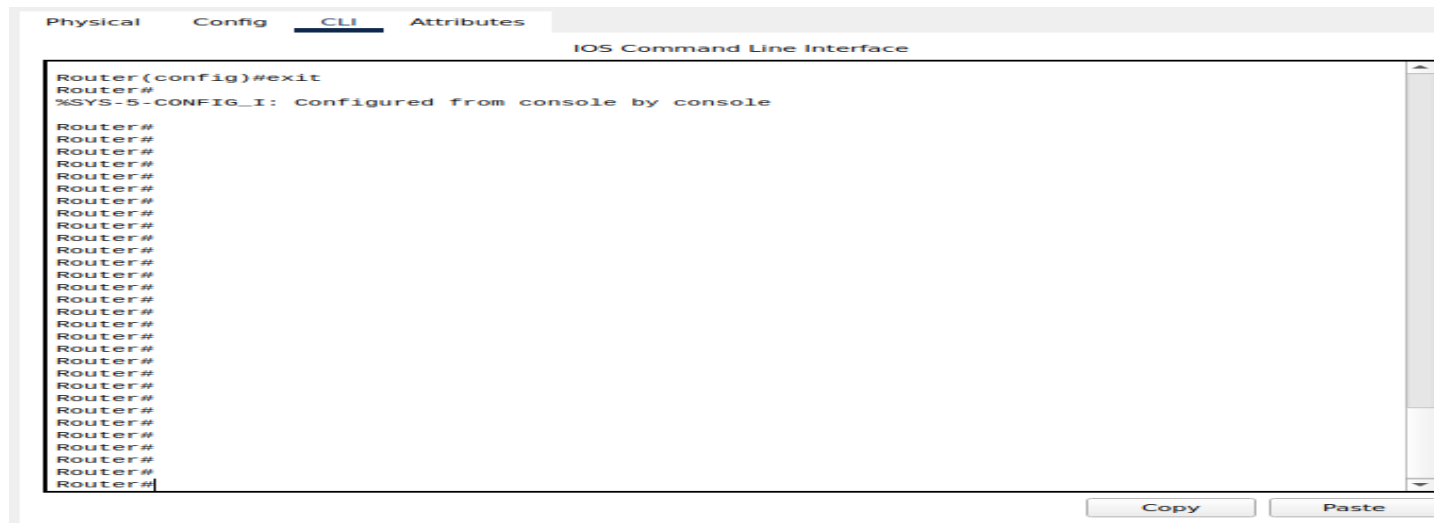
Router#

Router#

Router#

### Attributes

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**HOSTING NAMES:**

```
Router>enable
Router#
```

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#
```

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname NP
NP(config)#
```

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname NP
NP(config)#exit
NP#
%SYS-5-CONFIG_I: Configured from console by console
```

```
Router>enable
```

```
Router#configure terminal
```

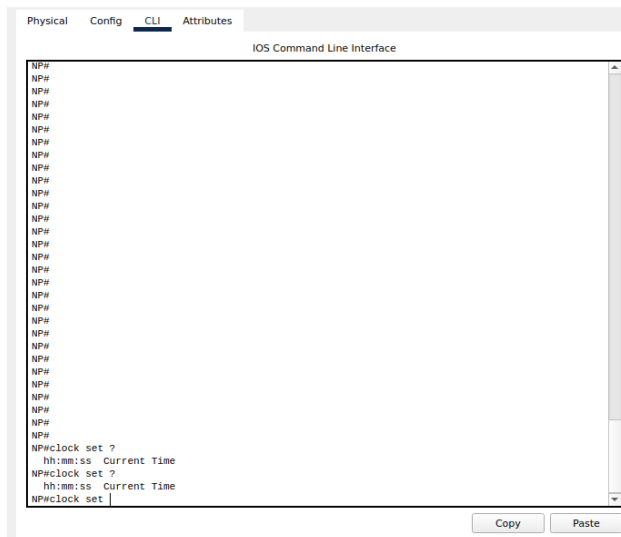
```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Router(config)#hostname NP
```

NP(config)#exit



```
%SYS-5-CONFIG_I: Configured from console by console
```



```
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
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NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#clock set ?  
hh:mm:ss Current Time  
NP#clock set ?  
hh:mm:ss Current Time  
NP#clock set clock set 12:15:00 ?  
% Unrecognized command  
NP#clock set 12:15:00 ?  
<1-31> Day of the month  
MONTH Month of the year  
NP#clock set 12:15:00
```

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```
NP#  
NP#  
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NP#  
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NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#wclock set 12:15:00 17 March ?  
      <1993-2035>   Year  
NP#wclock set 12:15:00 17 March |
```

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```
NP#  
NP#  
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NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#  
NP#show clock  
12:15:37.209 UTC Wed Mar 17 2021  
NP#
```

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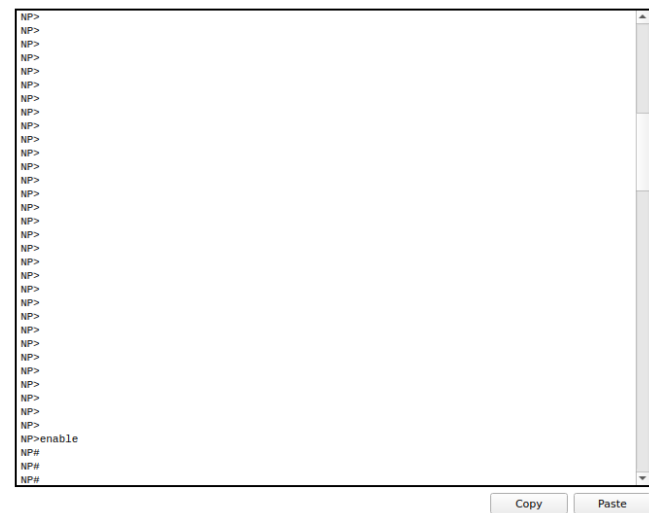
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```
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
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NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#exit  
NP#  
%SYS-5-CONFIG_I: Configured from console by console  
  
NP#
```



Physical Config CLI Attributes

IOS Command Line Interface

```
NP#
NP#show running-config
Building configuration...

Current configuration : 654 bytes
!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname NP
!
!
!
!
!
!
!
ip cef
no ipv6 cef
!
!
!
license udi pid CISC02901/K9 sn FTX1524XEEA-
!
!
!
!
!
!
```

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Physical Config CLI Attributes

IOS Command Line Interface

```
interface Vlan1
no ip address
shutdown
!
ip classless
!
ip flow-export version 9
!
!
!
banner motd ^C welcome to Networks Professionals ^C
!
!
!
line con 0
!
line aux 0
!
line vty 0 4
login
!
!
!
end

NP#
NP#
NP#
NP#
NP#
NP#
NP#
NP#
```

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Passwords :

Physical   Config   CLI   Attributes

## IOS Command Line Interface

```
NP>
NP>
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NP>
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NP>
NP>
NP>
NP>
NP>
NP>
NP>
NP>
NP>
NP>enable
Password:
NP#
NP#
NP#
NP#
NP#
NP#
NP#
NP#
NP#
NP#
NP#
NP#
NP#
NP#
NP#
NP#
```

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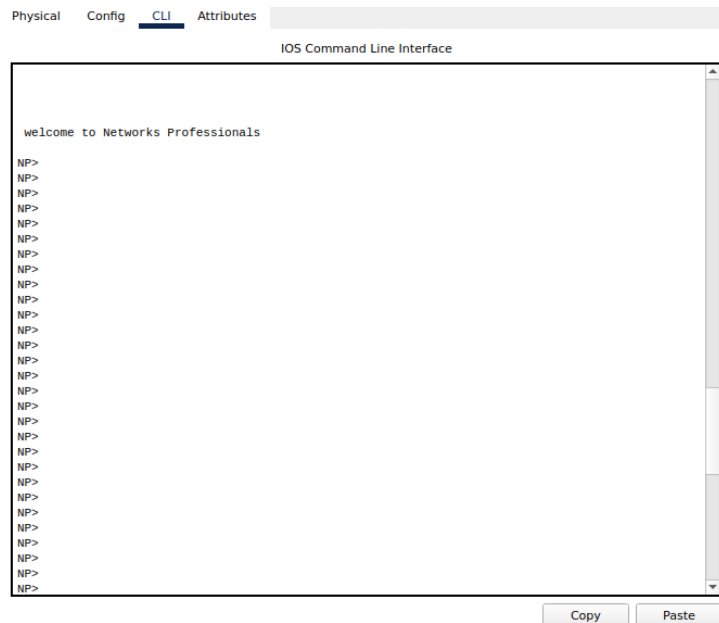
103 COMMUNITY ENGAGEMENT

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```
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#
NP(config)#enable password NP222
```



**Priv Mode:**

Physical Config CLI Attributes

## IOS Command Line Interface

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### IOS Command Line Interface

```
NP>
NP>
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NP>
NP>
NP>
NP>
NP>
NP>
NP>
NP>
NP>enable
Password:
NP#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
NP(config)#
```

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Physical Config CLI Attributes

## IOS Command Line Interface

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Physical Config CLI Attributes

## IOS Command Line Interface

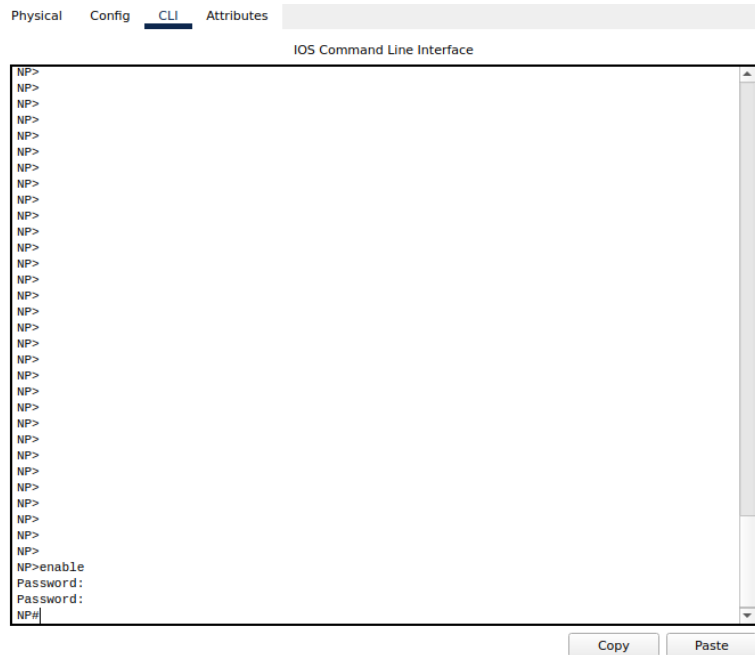
```
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#exit  
  
NP#
```

%SYS-5-CONFIG-I: Configured from console by console

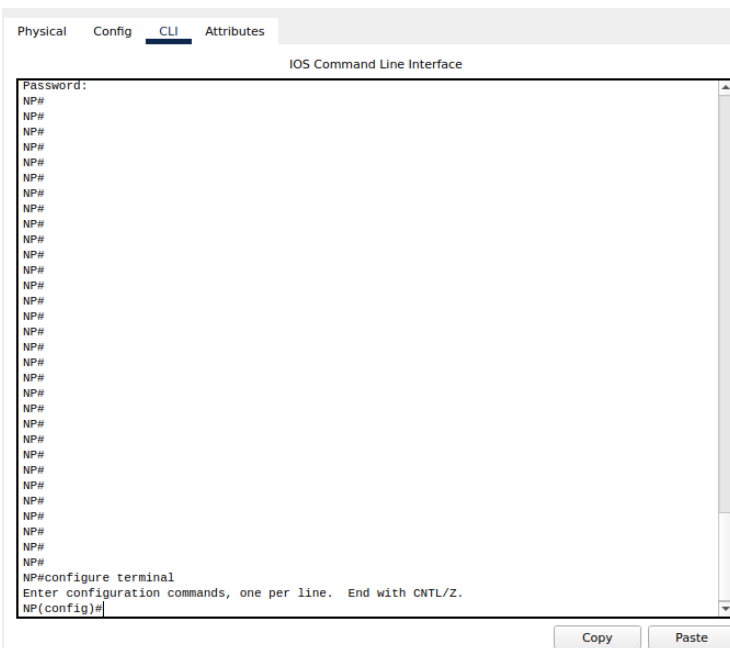
```
NP#
```

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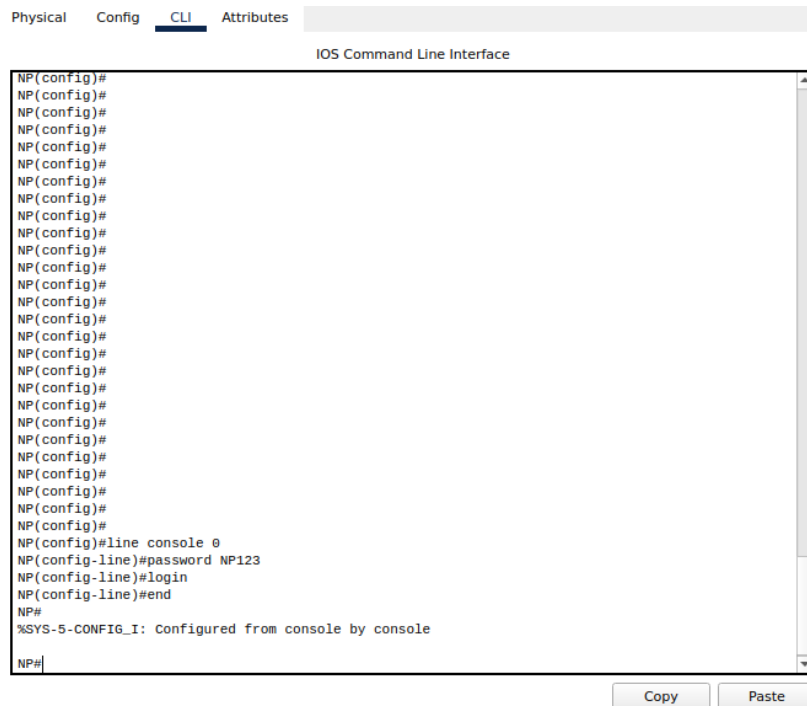


## Line Console:



```
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#  
NP(config)#line console 0
```

```
NP(config-line)#password NP123
```



## Telnet

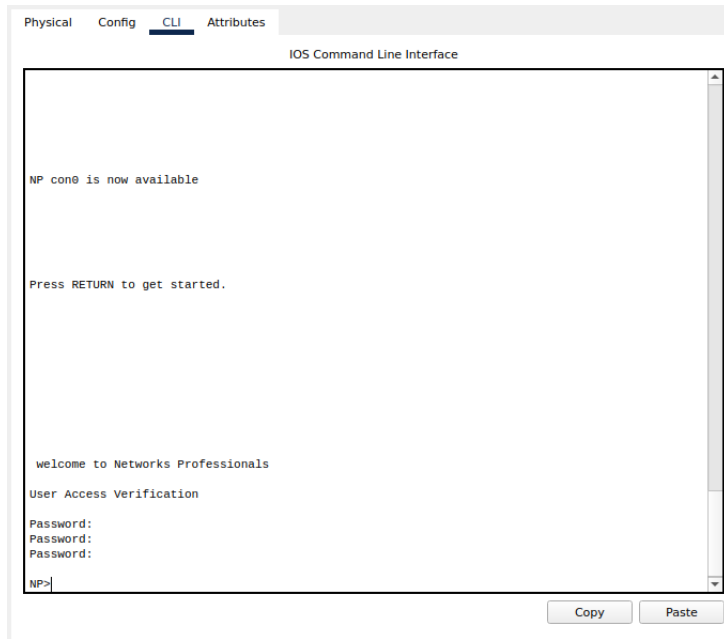
Telnet is a network protocol used to virtually access a computer and to provide a two-way, collaborative and text-based communication channel between two machines. It follows a user command Transmission Control Protocol/Internet Protocol (TCP/IP) networking protocol for creating remote sessions.

## How To?

Typing telnet hostname would connect a user to a hostname named hostname. Telnet enables a user to manage an account or device remotely. For example, a user may telnet into a computer that hosts their website to manage his or her files remotely. ... As shown, a telnet session is a command line interface.

LINE VTY:

Use the following chain of command to for Line VTY/Telnet Password.



```
IOS Command Line Interface

welcome to Networks Professionals

User Access Verification

Password:

NP>enable
Password:
NP#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
NP(config)#
NP(config)#
```

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