Packet Tracer - Navigating the IOS

Step 3:   Explore the IOS Help.

a.   The IOS can provide help for commands depending on the level being accessed. The prompt currently being displayed is called User EXEC and the device is waiting for a command. The most basic form of help is to type a question mark (?) at the prompt to display a list of commands.

S1> ?

Which command begins with the letter 'C'?
Ans: connect

b.   At the prompt, type t, followed by a question mark (?).

S1> t?

Which commands are displayed?
Ans: telnet, terminal, traceroute

c.   At the prompt, type te, followed by a question mark (?).

S1> te?

Which commands are displayed?
Ans: telnet, terminal

Part 2:   Exploring Privileged EXEC mode.

Step 1:   Enter privileged EXEC mode.

a.   At the prompt, type the question mark (?).

S1> ?

What information is displayed that describes the enable command?
Ans: turn on privileged commands

b.   Type en and press the Tab key.

S1> en<Tab>

What displays after pressing the Tab key?
Ans: encode

What would happen if you were to type te<Tab> at the prompt?
Ans: te repeat itself on the nextline

c.   Enter the enable command and press ENTER. How does the prompt change?
Ans: it switches to s1#

d.   When prompted, type the question mark (?).

S1# ?

Previously there was one command that started with the letter 'C' in user EXEC mode. How many commands are displayed now that privileged EXEC mode is active? (Hint: you could type c? to list just the commands beginning with 'C'.)
Ans: 5

Step 2:   Enter Global Configuration mode.

a.   One of the commands starting with the letter 'C' is configure when in Privileged EXEC mode. Type either the full command or enough of the command to make it unique along with the <Tab> key to issue the command and press <ENTER>.

S1# configure

What is the message that is displayed?
Ans: Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.

b.   Press the <ENTER> key to accept the default parameter enclosed in brackets [terminal].

How does the prompt change?
Ans: S1(config)#

c.   This is called global configuration mode.
Part 3:   Setting the Clock

Step 1:   Use the clock command.

a.   Use the clock command to further explore Help and command syntax. Type show clock at the privileged EXEC prompt.

S1# show clock

What information is displayed? What is the year that is displayed?
Ans: 1:23:21.643 UTC mon mar 1. 1993

b.   Use the context-sensitive Help and the clock command to set the time on the switch to the current time. Enter the command clock and press ENTER.

S1# clock<ENTER>

What information is displayed?
Ans: incomplete command

c.   The % Incomplete command message is returned by the IOS indicating that the clock command needs further parameters. Any time more information is needed help can be provided by typing a space after the command and the question mark (?).

S1# clock ?

What information is displayed?
Ans: set Set the time and date

d.   Set the clock using the clock set command. Continue proceeding through the command one step at a time.

S1# clock set ?

What information is being requested?
Ans: hh:mm:ss Current Time

What would have been displayed if only the clock set command had been entered and no request for help was made by using the question mark?
Ans: incomplete command