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LEVEL: 400 LEVEL

DEPARTMENT: COMPUTER SCIENCE

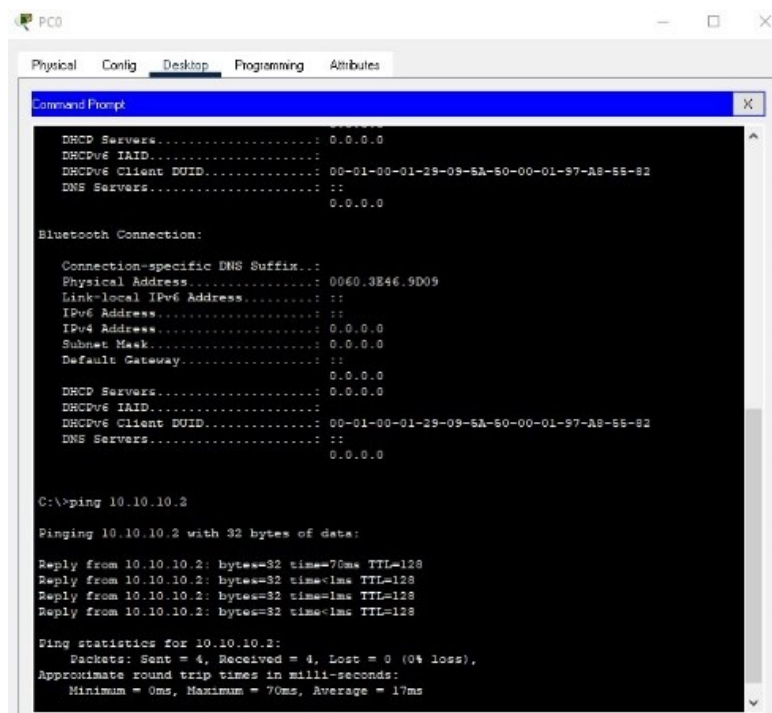
COURSE CODE: CSC 438

ANSWER

Cisco packet tracer is a tool that helps to understand how network works practically. The cisco packet tracer consists of a workspace where networks are being built combined with varieties of tools that can be used for network connection.

In other to achieve a cross-over connection, cross-over cable tool was gotten from the connections tab, using this cable the devices were connected using the fast Ethernet () board. In other to achieve the connection successfully we have to assign IP address to each device. IP address 10.10.10.1 was given to the first device and the address 10.10.10.2 was assigned to the second device.

In order to get the IP configuration details of the device, the device was selected prompting the command prompt terminal. On the terminal, the command **ipconfig** was inputted to get the IP configuration of the device and the physical address (mac address) of each device was gotten using the command **ipconfig /all** on the command prompt terminal. In other to see if the two devices are reachable, I sent forth packet from the first device to the second device by pinging the IP address of the second devices using the **ping 10.10.10.2** command.



```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
DHCP Servers.....: 0.0.0.0
DHCPv6 IAID.....:
DHCPv6 Client EUID.....: 00-01-00-01-29-09-5A-50-00-01-97-A8-55-52
DNS Servers.....:
0.0.0.0

Bluetooth Connection:
Connection-specific DNS Suffix...:
Physical Address.....: 0060.3E46.9D09
Link-local IPv6 Address.....:
IPv6 Address.....:
IPv4 Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....:
0.0.0.0
DHCP Servers.....: 0.0.0.0
DHCPv6 IAID.....:
DHCPv6 Client EUID.....: 00-01-00-01-29-09-5A-50-00-01-97-A8-55-52
DNS Servers.....:
0.0.0.0

C:\>ping 10.10.10.2

Pinging 10.10.10.2 with 32 bytes of data:

Reply from 10.10.10.2: bytes=32 time=70ms TTL=128
Reply from 10.10.10.2: bytes=32 time<1ms TTL=128
Reply from 10.10.10.2: bytes=32 time<1ms TTL=128
Reply from 10.10.10.2: bytes=32 time<1ms TTL=128

Ping statistics for 10.10.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 70ms, Average = 17ms
```

