

Task 1

Basic Cisco Configuration Lab

Router1

sh run

```
enable secret 5 $1$mERr$5.a6P4JqbNiMX01usIfka/  
enable password 7 0822455D0A16
```

sh arp

Protocol	Address	Age (min)	Hardware Addr	Type	Interface
Internet	10.1.1.1	-	00D0.9799.3201	ARPA	GigabitEthernet0/0/0
Internet	10.1.1.2	7	00D0.97B1.2801	ARPA	GigabitEthernet0/0/0

Router2

sh run

```
enable secret 5 $1$mERr$5.a6P4JqbNiMX01usIfka/  
enable password 7 0822455D0A16
```

sh arp

Protocol	Address	Age (min)	Hardware Addr	Type	Interface
Internet	10.1.1.1	9	00D0.9799.3201	ARPA	GigabitEthernet0/0/0
Internet	10.1.1.2	-	00D0.97B1.2801	ARPA	GigabitEthernet0/0/0

Task 2

Life of a packet

Scenario: PC1 pings PC2. Answer the following questions based on the echo request message sent from PC1 to PC2.

- 1) What is the destination MAC address in the frame at A in the network?

answer : **e**
Router1's G0/0/0 MAC address

- 2) What is the destination MAC address at A in the network?

answer : **0010.aaaa.aaaa**

- 3) What encapsulation is used at A in the network?

answer : **EthernetII**

- 4) What is the destination MAC address in the frame at B in the network?

answer : **e**

Router1's G0/0/0 MAC address

5) What is the destination MAC address at B in the network?

answer : **0010.aaaa.aaaa**

6) What is the destination MAC address in the frame at C in the network?

answer : **k**

There is no MAC address

7) What encapsulation is used at C in the network?

answer : **HDLC**

8) What is the destination MAC address in the frame at D in the network?

answer : **b**

PC2's MAC address

9) What is the destination MAC address at D in the network?

answer : **0010.2222.2222**

10) What encapsulation is used at D in the network?

answer : **EthernetII**

11) What is the destination MAC address in the frame at E in the network?

answer : **b**

PC2's MAC address

12) What is the destination MAC address at E in the network?

answer : **0010.2222.2222**

13) What encapsulation is used at E in the network?

answer : **EthernetII**