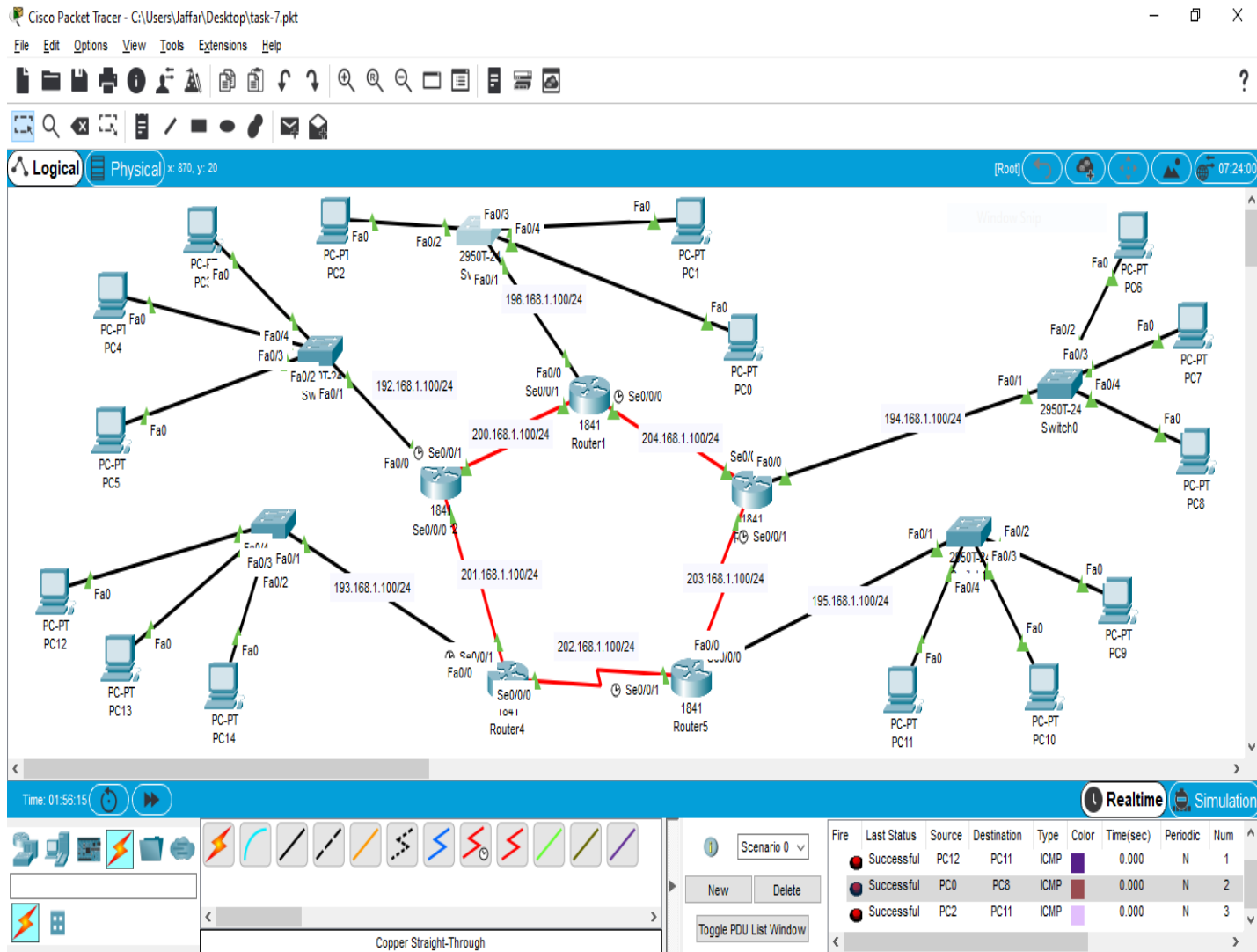


LAB # 07

Name : Nouman Ali

SID : 9964



Show ip route eigrp



Router1



Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Serial0/0/0
D   203.168.1.0/24 [90/3705856] via 200.168.1.102, 00:00:40,
Serial0/0/1
C   204.168.1.0/24 is directly connected, Serial0/0/0

Router#
Router#show ip route eigrp
D   192.168.1.0/24 [90/2172416] via 200.168.1.102, 00:14:01,
Serial0/0/1
D   193.168.1.0/24 [90/2684416] via 200.168.1.102, 00:10:49,
Serial0/0/1
D   194.168.1.0/24 [90/2172416] via 204.168.1.102, 00:05:54,
Serial0/0/0
D   195.168.1.0/24 [90/2684416] via 204.168.1.102, 00:05:54,
Serial0/0/0
D   201.168.1.0/24 [90/2681856] via 200.168.1.102, 00:16:25,
Serial0/0/1
D   202.168.1.0/24 [90/3193856] via 200.168.1.102, 00:10:49,
Serial0/0/1
                               [90/3193856] via 204.168.1.102, 00:05:23,
Serial0/0/0
D   203.168.1.0/24 [90/2681856] via 204.168.1.102, 00:02:55,
Serial0/0/0

Router#
```

Ctrl+F6 to exit CLI focus

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Top



Router2



Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Router>en
Router#show ip route eigrp
D    193.168.1.0/24 [90/2172416] via 201.168.1.102, 00:20:38,
Serial0/0/0
D    194.168.1.0/24 [90/2684416] via 200.168.1.101, 00:15:43,
Serial0/0/1
D    195.168.1.0/24 [90/2684416] via 201.168.1.102, 00:18:11,
Serial0/0/0
D    196.168.1.0/24 [90/2172416] via 200.168.1.101, 00:26:15,
Serial0/0/1
D    202.168.1.0/24 [90/2681856] via 201.168.1.102, 00:20:38,
Serial0/0/0
D    203.168.1.0/24 [90/3193856] via 201.168.1.102, 00:18:11,
Serial0/0/0
                                [90/3193856] via 200.168.1.101, 00:12:44,
Serial0/0/1
D    204.168.1.0/24 [90/2681856] via 200.168.1.101, 00:26:15,
Serial0/0/1
Router#
```

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Router3



Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Router>show ip route eigrp
D   192.168.1.0/24 [90/2684416] via 204.168.1.101, 00:14:03,
Serial0/0/0
D   193.168.1.0/24 [90/2684416] via 203.168.1.101, 00:14:03,
Serial0/0/1
D   195.168.1.0/24 [90/2172416] via 203.168.1.101, 00:14:03,
Serial0/0/1
D   196.168.1.0/24 [90/2172416] via 204.168.1.101, 00:14:03,
Serial0/0/0
D   200.168.1.0/24 [90/2681856] via 204.168.1.101, 00:14:03,
Serial0/0/0
D   201.168.1.0/24 [90/3193856] via 203.168.1.101, 00:14:03,
Serial0/0/1
                               [90/3193856] via 204.168.1.101, 00:14:03,
Serial0/0/0
D   202.168.1.0/24 [90/2681856] via 203.168.1.101, 00:13:32,
Serial0/0/1
Router>
```

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Router4



Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Router>en
Router#show ip rote eigrp
      ^
% Invalid input detected at '^' marker.

Router#show ip route eigrp
D   192.168.1.0/24 [90/2172416] via 201.168.1.101, 00:22:27,
Serial0/0/1
D   194.168.1.0/24 [90/2684416] via 202.168.1.102, 00:17:32,
Serial0/0/0
D   195.168.1.0/24 [90/2172416] via 202.168.1.102, 00:20:00,
Serial0/0/0
D   196.168.1.0/24 [90/2684416] via 201.168.1.101, 00:22:27,
Serial0/0/1
D   200.168.1.0/24 [90/2681856] via 201.168.1.101, 00:22:27,
Serial0/0/1
D   203.168.1.0/24 [90/2681856] via 202.168.1.102, 00:20:00,
Serial0/0/0
D   204.168.1.0/24 [90/3193856] via 201.168.1.101, 00:22:27,
Serial0/0/1
                        [90/3193856] via 202.168.1.102, 00:17:32,
Serial0/0/0
Router#
```

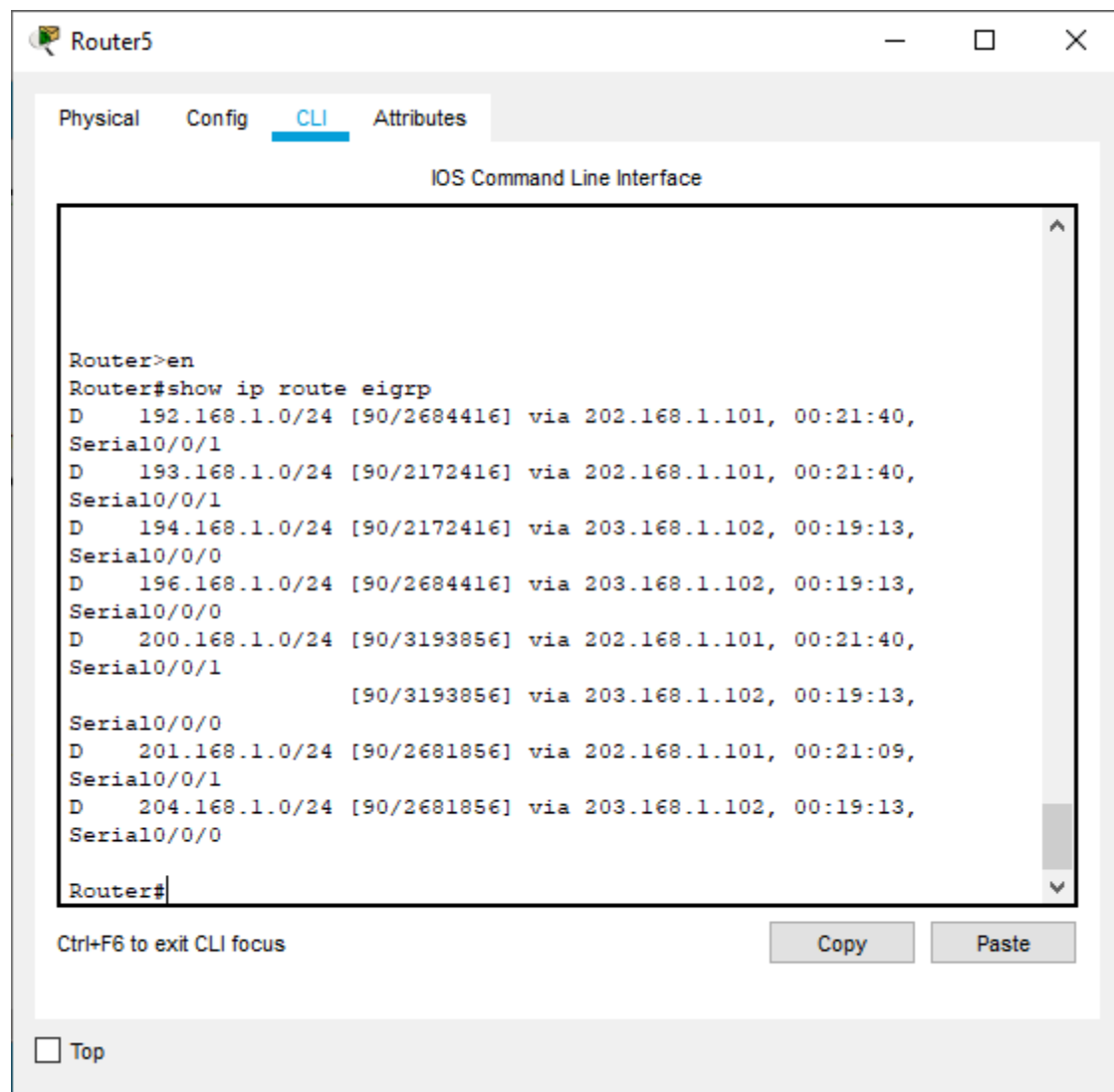
Ctrl+F6 to exit CLI focus

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Show ip protocol



Router1



Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Router>en
Router#show ip protocol

Routing Protocol is "eigrp 9964 "
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Default networks flagged in outgoing updates
  Default networks accepted from incoming updates
  EIGRP metric weight K1=1, K2=0, K3=1, K4=0, K5=0
  EIGRP maximum hopcount 100
  EIGRP maximum metric variance 1
  Redistributing: eigrp 9964
    Automatic network summarization is not in effect
    Maximum path: 4
    Routing for Networks:
      200.168.1.0
      204.168.1.0
      196.168.1.0
    Routing Information Sources:
      Gateway         Distance      Last Update
      200.168.1.102    90           2799559
      204.168.1.102    90           3457758
  Distance: internal 90 external 170

Router#
```

Ctrl+F6 to exit CLI focus

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Router2



Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Router#show ip protocol
```

```
Routing Protocol is "eigrp 9964 "
```

```
  Outgoing update filter list for all interfaces is not set
```

```
  Incoming update filter list for all interfaces is not set
```

```
  Default networks flagged in outgoing updates
```

```
  Default networks accepted from incoming updates
```

```
  EIGRP metric weight K1=1, K2=0, K3=1, K4=0, K5=0
```

```
  EIGRP maximum hopcount 100
```

```
  EIGRP maximum metric variance 1
```

```
Redistributing: eigrp 9964
```

```
  Automatic network summarization is not in effect
```

```
Maximum path: 4
```

```
Routing for Networks:
```

```
  200.168.1.0
```

```
  201.168.1.0
```

```
  192.168.1.0
```

```
Routing Information Sources:
```

Gateway	Distance	Last Update
---------	----------	-------------

200.168.1.101	90	2807479
---------------	----	---------

201.168.1.102	90	3132941
---------------	----	---------

```
Distance: internal 90 external 170
```

```
Router#
```

Ctrl+F6 to exit CLI focus

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Router3



Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Router>show ip protocol
```

```
Routing Protocol is "eigrp 9964 "
```

```
  Outgoing update filter list for all interfaces is not set
```

```
  Incoming update filter list for all interfaces is not set
```

```
  Default networks flagged in outgoing updates
```

```
  Default networks accepted from incoming updates
```

```
  EIGRP metric weight K1=1, K2=0, K3=1, K4=0, K5=0
```

```
  EIGRP maximum hopcount 100
```

```
  EIGRP maximum metric variance 1
```

```
Redistributing: eigrp 9964
```

```
  Automatic network summarization is not in effect
```

```
Maximum path: 4
```

```
Routing for Networks:
```

```
  203.168.1.0
```

```
  204.168.1.0
```

```
  194.168.1.0
```

```
Routing Information Sources:
```

Gateway	Distance	Last Update
---------	----------	-------------

203.168.1.101	90	6267130
---------------	----	---------

204.168.1.101	90	6278493
---------------	----	---------

```
Distance: internal 90 external 170
```

```
Router>
```

Ctrl+F6 to exit CLI focus

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Router4



Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Router#show ip protocol
```

```
Routing Protocol is "eigrp 9964 "
```

```
  Outgoing update filter list for all interfaces is not set
```

```
  Incoming update filter list for all interfaces is not set
```

```
  Default networks flagged in outgoing updates
```

```
  Default networks accepted from incoming updates
```

```
  EIGRP metric weight K1=1, K2=0, K3=1, K4=0, K5=0
```

```
  EIGRP maximum hopcount 100
```

```
  EIGRP maximum metric variance 1
```

```
Redistributing: eigrp 9964
```

```
  Automatic network summarization is not in effect
```

```
Maximum path: 4
```

```
Routing for Networks:
```

```
  201.168.1.0
```

```
  202.168.1.0
```

```
  193.168.1.0
```

```
Routing Information Sources:
```

Gateway	Distance	Last Update
---------	----------	-------------

201.168.1.101	90	5945799
---------------	----	---------

202.168.1.102	90	6127063
---------------	----	---------

```
Distance: internal 90 external 170
```

```
Router#
```

Ctrl+F6 to exit CLI focus

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Router5



Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Router#show ip protocol
```

```
Routing Protocol is "eigrp 9964 "
```

```
  Outgoing update filter list for all interfaces is not set
```

```
  Incoming update filter list for all interfaces is not set
```

```
  Default networks flagged in outgoing updates
```

```
  Default networks accepted from incoming updates
```

```
  EIGRP metric weight K1=1, K2=0, K3=1, K4=0, K5=0
```

```
  EIGRP maximum hopcount 100
```

```
  EIGRP maximum metric variance 1
```

```
Redistributing: eigrp 9964
```

```
  Automatic network summarization is not in effect
```

```
Maximum path: 4
```

```
Routing for Networks:
```

```
  202.168.1.0
```

```
  203.168.1.0
```

```
  195.168.1.0
```

```
Routing Information Sources:
```

Gateway	Distance	Last Update
---------	----------	-------------

202.168.1.101	90	6057727
---------------	----	---------

203.168.1.102	90	6197791
---------------	----	---------

```
Distance: internal 90 external 170
```

```
Router#
```

Ctrl+F6 to exit CLI focus

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