

**UNIVERSITY OF THE EAST**

**CALOOCAN CITY**

**College of Engineering**

**Department of Computer Studies and Systems**

**STATIC ROUTING**

**Packet Tracer Activities**

**Name:** Ramirez, Ishmael L.

**Student Number:** 20201132141

**Subject and Section:** CIT3101 – IT2E

|  |  |
| --- | --- |
| **Activity No.** | **Score** |
| SR01 | 73% |

**Static Routing Activity 1:**

Graphical user interface, chart

Description automatically generated

**Graphical user interface, text, application, email

Description automatically generated**

CEBU>ena

CEBU#conf t

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

CEBU(config)#int f1/0

CEBU(config-if)#ip add 172.20.178.1 255.255.240.0

CEBU(config-if)#no sh

CEBU(config-if)#

%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

CEBU(config-if)#no ip add

CEBU(config-if)#ex

CEBU(config)#int s2/0

CEBU(config-if)#ip add 172.20.160.1 255.255.240.0

% 172.20.160.0 overlaps with FastEthernet0/0

CEBU(config-if)#ip add 172.20.160.4 255.255.240.0

% 172.20.160.0 overlaps with FastEthernet0/0

CEBU(config-if)#ip add 172.20.160.5 255.255.240.0

% 172.20.160.0 overlaps with FastEthernet0/0

CEBU(config-if)#ip add 172.20.178.1 255.255.240.0

CEBU(config-if)#no sh

CEBU(config-if)#

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

CEBU con0 is now available

Press RETURN to get started.

CEBU>ena

CEBU#oonf t

^

% Invalid input detected at '^' marker.

CEBU#conf t

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

CEBU(config)#int f1/0

CEBU(config-if)#ip add 172.20.178.1 255.255.54.0

Bad mask 0xFFFF3600 for address 172.20.178.1

CEBU(config-if)#ip add 172.20.178.0 255.255.54.0

Bad mask 0xFFFF3600 for address 172.20.178.0

CEBU(config-if)#ip add 172.20.178.0 255.255.254.0

Bad mask /23 for address 172.20.178.0

CEBU(config-if)#ip add 172.21.178.0 255.255.254.0

Bad mask /23 for address 172.21.178.0

CEBU(config-if)#ip add 172.20.178.1 255.255.254.0

% 172.20.178.0 overlaps with Serial2/0

CEBU(config-if)#exit

CEBU(config)#int s2/0

CEBU(config-if)#no ip add

CEBU(config-if)#exit

CEBU(config)#int f1/0

CEBU(config-if)#ip add 172.20.178.1 255.255.254.0

CEBU(config-if)#no sh

CEBU(config-if)#

CEBU#

%SYS-5-CONFIG\_I: Configured from console by console

CEBU con0 is now available

Press RETURN to get started.

CEBU>ena

CEBU#conf t

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

CEBU(config)#int s2/0

CEBU(config-if)#no ip add

CEBU(config-if)#ip add 172.20.9.129 255.255.255.252

CEBU(config-if)#no sh

CEBU(config-if)#ex

CEBU(config)#int f1/0

CEBU(config-if)#ip add 172.20.179.254 255.255.254.0

CEBU(config-if)#no sh

CEBU(config-if)#do show ip ro

Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP

i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area

\* - candidate default, U - per-user static route, o - ODR

P - periodic downloaded static route

Gateway of last resort is not set

172.20.0.0/16 is variably subnetted, 3 subnets, 3 masks

C 172.20.9.128/30 is directly connected, Serial2/0

C 172.20.160.0/20 is directly connected, FastEthernet0/0

C 172.20.178.0/23 is directly connected, FastEthernet1/0

CEBU(config-if)#

CEBU con0 is now available

Press RETURN to get started.

Router>ena

Router#conf t

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

Router(config)#hostname MANILA

MANILA(config)#int s2/0

MANILA(config-if)#ip add```````````````````````````````````````````````

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% Invalid input detected at '^' marker.

MANILA(config-if)#ip add 172.20.0.1 255.255.128.0

MANILA(config-if)#no sh

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

MANILA(config-if)#cl r 64000

MANILA(config-if)#

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

MANILA(config-if)#ex

MANILA(config)#int s3/0

MANILA(config-if)#ip add 172.20.0.1 255.255.128.0

% 172.20.0.0 overlaps with Serial2/0

MANILA(config-if)#ip add 172.20.0.2 255.255.128.0

% 172.20.0.0 overlaps with Serial2/0

MANILA(config-if)#ip add 172.20.128.1 255.255.128.0

MANILA(config-if)#no sh

%LINK-5-CHANGED: Interface Serial3/0, changed state to down

MANILA(config-if)#ex

MANILA(config)#int f0/0

MANILA(config-if)#ip add 172.20.0.1 255.255.128.0

% 172.20.0.0 overlaps with Serial2/0

MANILA(config-if)#

MANILA#

%SYS-5-CONFIG\_I: Configured from console by console

MANILA#int s3/0

^

% Invalid input detected at '^' marker.

MANILA#conf t

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

MANILA(config)#int s3/0

MANILA(config-if)# cl r 64000

MANILA(config-if)#ip add 172.20.0.2 255.255.128.0

% 172.20.0.0 overlaps with Serial2/0

MANILA(config-if)#ex

MANILA(config)#int s2/0

MANILA(config-if)#no ip add

MANILA(config-if)#ip add 172.20.0.2 255.255.128.0

MANILA(config-if)#no sh

MANILA(config-if)#exit

MANILA(config)#int s3/0

MANILA(config-if)#ip add 172.20.0.3 255.255.128.0

% 172.20.0.0 overlaps with Serial2/0

MANILA(config-if)#ip add 172.20.128.3 255.255.128.0

MANILA(config-if)#no sh

MANILA(config-if)#

%LINK-5-CHANGED: Interface Serial3/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

MANILA(config-if)#exit

MANILA(config)#ip route 172.20.160.0 255.255.240.0 172.20.180.2

MANILA(config)#ip route 172.20.178.0 255.255.254.0 172.20.180.2

MANILA(config)#ip route 172.20.128.0 255.255.224.0 172.20.180.6

MANILA(config)#ip route 172.20.176.0 255.255.254.0 172.20.180.6

MANILA(config)#

MANILA#

%SYS-5-CONFIG\_I: Configured from console by console

MANILA#conf t

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

MANILA(config)#no sh

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% Invalid input detected at '^' marker.

MANILA(config)#int s2/0

MANILA(config-if)#ip add 172.20.16.1 255.255.255.252

MANILA(config-if)#no sh

MANILA(config-if)#

MANILA(config-if)#ex

Router>ena

Router#conf t

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

Router(config)#hostname DAVAO

DAVAO(config)#

DAVAO con0 is now available

Press RETURN to get started.

DAVAO>ena

DAVAO#conf t

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

DAVAO(config)#int f0/0

DAVAO(config-if)#ip add 172.20.128.1 255.255.224.0

DAVAO(config-if)#no sh

DAVAO(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

DAVAO(config-if)#exit

DAVAO(config)#int f1/1

%Invalid interface type and number

DAVAO(config)#int f2/1

%Invalid interface type and number

DAVAO(config)#int f1/0

DAVAO(config-if)#ip add 172.20.176.1 255.255.254.0

DAVAO(config-if)#no sh

DAVAO(config-if)#

%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

DAVAO con0 is now available

Press RETURN to get started.

DAVAO>

DAVAO con0 is now available

Press RETURN to get started.

DAVAO>ena

DAVAO#conf t

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

DAVAO(config)#int s3/0

DAVAO(config-if)#ip add 172.20.0.3 255.255.128.0

DAVAO(config-if)#no sh

DAVAO(config-if)#

%LINK-5-CHANGED: Interface Serial3/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

DAVAO con0 is now available

Press RETURN to get started.

DAVAO>ena

DAVAO#conf t

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

DAVAO(config)#ip route 172.20.0.0 255.255.252.0 se3/0

DAVAO(config)#int s3/0

DAVAO(config-if)#ip add 172.20.12.2 255.255.255.252

DAVAO(config-if)#no sh

DAVAO(config-if)#