

**UNIVERSITY OF THE EAST**

**CALOOCAN CITY**

**College of Engineering**

**Department of Computer Studies and Systems**

**Finals Quiz 1**

**Packet Tracer Activities**

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**Subject and Section:** CIT3101 – IT2E

|  |  |
| --- | --- |
| **Activity No.** | **Score** |
| FINALQ1 | 100% |

**FINALS QUIZ 1:**

Graphical user interface, application

Description automatically generated

**Graphical user interface, application

Description automatically generated**

**FINALS QUIZ 1**

**R1**

Router>ena

Router#conf t

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

Router(config)#hostname R1

R1(config)#int f0/0

R1(config-if)#ip add 192.168.10.2 255.255.255.0

R1(config-if)#no sh

R1(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

R1(config-if)#exit

R1(config)#int f1/0

R1(config-if)#ip add 192.168.20.2 255.255.255.0

R1(config-if)#no sh

R1(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

R1(config-if)#exit

R1(config)#int f0/0

R1(config-if)#no ip add

R1(config-if)#ip add 192.168.10.1 255.255.255.0

R1(config-if)#exit

R1(config)#int f1/0

R1(config-if)#no ip add

R1(config-if)#ip add 192.168.20.1 255.255.255.0

R1(config-if)#no sh

R1(config-if)#exit

R1(config)#int s2/0

R1(config-if)#ip add 192.168.30.2 255.255.255.0

R1(config-if)#no sh

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

R1(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

C 192.168.10.0/24 is directly connected, FastEthernet0/0

C 192.168.20.0/24 is directly connected, FastEthernet1/0

R1(config-if)#exit

R1(config)#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

C 192.168.10.0/24 is directly connected, FastEthernet0/0

C 192.168.20.0/24 is directly connected, FastEthernet1/0

R1(config)#int s2/0

R1(config-if)#ip add 192.168.30.2 255.255.255.0

R1(config-if)#exit

R1(config)#

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

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

R1 con0 is now available

Press RETURN to get started.

R1>ena

R1#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

C 192.168.10.0/24 is directly connected, FastEthernet0/0

C 192.168.20.0/24 is directly connected, FastEthernet1/0

C 192.168.30.0/24 is directly connected, Serial2/0

R1#router ospf 22

^

% Invalid input detected at '^' marker.

R1#conf t

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

R1(config)#router ospf 22

R1(config-router)#net 192.168.10.0 area 0

^

% Invalid input detected at '^' marker.

R1(config-router)#net 192.168.10.0 0.0.0.255 area 0

R1(config-router)#net 192.168.20.0 0.0.0.255 area 0

R1(config-router)#net 192.168.30.0 0.0.0.255 area 0

R1(config-router)#exit

R1(config)#

00:31:05: %OSPF-5-ADJCHG: Process 22, Nbr 192.168.60.1 on Serial2/0 from LOADING to FULL, Loading Done

R1 con0 is now available

Press RETURN to get started.

R1>ena

R1#conf t

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

R1(config)#router ospf 22

R1(config-router)#net 192.168.0.0 0.0.31.255 area 0

R1(config-router)#exit

R1(config)#

**R2**

Router>ena

Router#conf t

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

Router(config)#hostname R2

R2(config)#int f1/0

R2(config-if)#ip add 192.168.50.1 255.255.255.0

R2(config-if)#no sh

R2(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

R2(config-if)#exit

R2(config)#int f0/0

R2(config-if)#ip add 192.168.40.1 255.255.255.0

R2(config-if)#no sh

R2(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

R2(config-if)#exit

R2(config)#int s2/0

R2(config-if)#cl r 64000

R2(config-if)#ip add 192.168.30.1 255.255.255.0

R2(config-if)#no sh

R2(config-if)#

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

R2(config-if)#exit

R2(config)#int

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

% Incomplete command.

R2(config)#int s3/0

R2(config-if)#cl r 64000

R2(config-if)#ip add 192.168.60.1 255.255.255.0

R2(config-if)#no sh

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

R2(config-if)#exit

R2(config)#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

C 192.168.30.0/24 is directly connected, Serial2/0

C 192.168.40.0/24 is directly connected, FastEthernet0/0

C 192.168.50.0/24 is directly connected, FastEthernet1/0

R2(config)#

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

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

R2(config)#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

C 192.168.30.0/24 is directly connected, Serial2/0

C 192.168.40.0/24 is directly connected, FastEthernet0/0

C 192.168.50.0/24 is directly connected, FastEthernet1/0

C 192.168.60.0/24 is directly connected, Serial3/0

R2(config)#router ospf 22

R2(config-router)#net 192.168.30.0 0.0.0.255 area 0

R2(config-router)#net 192.168.40.0 0.0.0.255 area 0

R2(config-router)#

00:31:05: %OSPF-5-ADJCHG: Process 22, Nbr 192.168.30.2 on Serial2/0 from LOADING to FULL, Loading Done

R2(config-router)#net 192.168.50.0 0.0.0.255 area 0

R2(config-router)#net 192.168.60.0 0.0.0.255 area 0

R2(config-router)#

00:31:57: %OSPF-5-ADJCHG: Process 22, Nbr 192.168.80.1 on Serial3/0 from LOADING to FULL, Loading Done

R2 con0 is now available

Press RETURN to get started.

R2>ena

R2#conf t

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

R2(config)#router ospf 22

R2(config-router)#net 192.168.0.0 0.0.63.255 area 0

R2(config-router)#exit

R2(config)#

**R3**

Router>ena

Router#conf t

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

Router(config)#hostname R3

R3(config)#int f0/0

R3(config-if)#ip add 192.168.70.1 255.255.255.0

R3(config-if)#no sh

R3(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

R3(config-if)#exit

R3(config)#int f1/0

R3(config-if)#ip add 192.168.80.1 255.255.255.0

R3(config-if)#no sh

R3(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

R3(config-if)#exit

R3(config)#int s3/0

R3(config-if)#ip add 192.168.60.2 255.255.255.0

R3(config-if)#no sh

R3(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

R3(config-if)#exit

R3(config)#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

C 192.168.60.0/24 is directly connected, Serial3/0

C 192.168.70.0/24 is directly connected, FastEthernet0/0

C 192.168.80.0/24 is directly connected, FastEthernet1/0

R3(config)#router ospf 22

R3(config-router)#net 192.168.60.0 0.0.0.255 area 0

R3(config-router)#net 192.168.60.0 0.0.0.255 area 0

00:31:57: %OSPF-5-ADJCHG: Process 22, Nbr 192.168.60.1 on Serial3/0 from LOADING to FULL, Loading Done

R3(config-router)#net 192.168.70.0 0.0.0.255 area 0

R3(config-router)#net 192.168.80.0 0.0.0.255 area 0

R3(config-router)#

R3 con0 is now available

Press RETURN to get started.

R3>ena

R3#conf t

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

R3(config)#router ospf 22

R3(config-router)#net 192.168.0.0 0.0.127.255 area 0

R3(config-router)#exit

R3(config)#