**DCCN**

**Name: Aoun-Haider**

**ID: FA21-BSE-133**

**Commands**

Tue Oct 24 16:09:15 2023 Router1 Router>enable

Tue Oct 24 16:09:17 2023 Router1 Router#conf t

Tue Oct 24 16:11:05 2023 Router2 Router>enable

Tue Oct 24 16:11:07 2023 Router2 Router#conf t

Tue Oct 24 16:11:13 2023 Router2 Router(config)#interface fastEthernet 0/0

Tue Oct 24 16:11:28 2023 Router2 Router(config-if)#ip address 200.133.100.3 255.255.255.0

Tue Oct 24 16:11:33 2023 Router2 Router(config-if)#no shutdown

Tue Oct 24 16:11:47 2023 Router2 Router(config-if)#interface fastEthernet 1/0

Tue Oct 24 16:11:55 2023 Router2 Router(config-if)#ip address 200.133.101.1 255.255.255.0

Tue Oct 24 16:12:01 2023 Router2 Router(config-if)#no shutdown

Tue Oct 24 16:12:17 2023 Router2 Router(config-if)#interface serial 2/0

Tue Oct 24 16:12:34 2023 Router2 Router(config-if)#ip address 200.133.101.2 255.255.255.0

Tue Oct 24 16:12:40 2023 Router2 Router(config-if)#ip address 200.133.103.2 255.255.255.0

Tue Oct 24 16:12:51 2023 Router2 Router(config-if)#no shutdown

Tue Oct 24 16:13:00 2023 Router2 Router(config-if)#interface serial 3/0

Tue Oct 24 16:13:08 2023 Router2 Router(config-if)#ip address 200.133.102.1 255.255.255.0

Tue Oct 24 16:13:10 2023 Router2 Router(config-if)#no shutdown

Tue Oct 24 16:13:18 2023 Router2 Router(config-if)#exit

Tue Oct 24 16:13:44 2023 Router2 Router(config)#interface fastEthernet 1/0

Tue Oct 24 16:13:57 2023 Router2 Router(config-if)#ip helper-address 200.133.100.1

Tue Oct 24 16:14:02 2023 Router2 Router(config-if)#exit

Tue Oct 24 16:16:57 2023 Router2 Router(config)#write memory

Tue Oct 24 16:17:01 2023 Router2 Router(config)#interface fastEthernet 1/0

Tue Oct 24 16:17:04 2023 Router2 Router(config-if)#ip helper-address 200.133.100.1

Tue Oct 24 16:17:09 2023 Router2 Router(config-if)#write memory

Tue Oct 24 16:17:15 2023 Router2 Router(config-if)#end

Tue Oct 24 16:26:40 2023 Switch19 Switch>enable

Tue Oct 24 16:26:41 2023 Switch19 Switch#conf t

Tue Oct 24 16:26:46 2023 Switch19 Switch(config)#vlan 5

Tue Oct 24 16:26:53 2023 Switch19 Switch(config-vlan)#name Lab\_A

Tue Oct 24 16:26:55 2023 Switch19 Switch(config-vlan)#end

Tue Oct 24 16:26:59 2023 Switch19 Switch#conf t

Tue Oct 24 16:27:40 2023 Switch19 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 16:27:46 2023 Switch19 Switch(config-if-range)#switchport mode access

Tue Oct 24 16:27:54 2023 Switch19 Switch(config-if-range)#switchport access vlan 5

Tue Oct 24 16:27:57 2023 Switch19 Switch(config-if-range)#exit

Tue Oct 24 16:27:59 2023 Switch19 Switch(config)#exit

Tue Oct 24 16:28:03 2023 Switch19 Switch#show vlan

Tue Oct 24 16:28:21 2023 Switch18 Switch>enable

Tue Oct 24 16:28:22 2023 Switch18 Switch#conf t

Tue Oct 24 16:28:27 2023 Switch18 Switch(config)#vlan 6

Tue Oct 24 16:28:31 2023 Switch18 Switch(config-vlan)#name Lab\_B

Tue Oct 24 16:28:32 2023 Switch18 Switch(config-vlan)#exit

Tue Oct 24 16:28:45 2023 Switch18 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 16:28:50 2023 Switch18 Switch(config-if-range)#switchport mode access

Tue Oct 24 16:28:58 2023 Switch18 Switch(config-if-range)#switchport access vlan 6

Tue Oct 24 16:29:01 2023 Switch18 Switch(config-if-range)#exit

Tue Oct 24 16:29:02 2023 Switch18 Switch(config)#exit

Tue Oct 24 16:29:04 2023 Switch18 Switch#show vlan

Tue Oct 24 16:29:44 2023 Switch17 Switch>enable

Tue Oct 24 16:29:46 2023 Switch17 Switch#conf t

Tue Oct 24 16:29:47 2023 Switch17 Switch(config)#vlan 7

Tue Oct 24 16:29:52 2023 Switch17 Switch(config-vlan)#name Lab\_C

Tue Oct 24 16:29:53 2023 Switch17 Switch(config-vlan)#exit

Tue Oct 24 16:30:09 2023 Switch17 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 16:30:14 2023 Switch17 Switch(config-if-range)#switchport mode access

Tue Oct 24 16:30:23 2023 Switch17 Switch(config-if-range)#switchport access vlan 7

Tue Oct 24 16:30:25 2023 Switch17 Switch(config-if-range)#exit

Tue Oct 24 16:30:26 2023 Switch17 Switch(config)#exit

Tue Oct 24 16:30:30 2023 Switch17 Switch#show vlan

Tue Oct 24 16:34:07 2023 Switch16 Switch>enable

Tue Oct 24 16:34:09 2023 Switch16 Switch#conf t

Tue Oct 24 16:34:21 2023 Switch16 Switch(config)#vlan 8

Tue Oct 24 16:34:27 2023 Switch16 Switch(config-vlan)#name Faculty\_Block

Tue Oct 24 16:34:31 2023 Switch16 Switch(config-vlan)#exit

Tue Oct 24 16:34:44 2023 Switch16 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 16:34:49 2023 Switch16 Switch(config-if-range)#switchport mode access

Tue Oct 24 16:34:57 2023 Switch16 Switch(config-if-range)#switchport access vlan 8

Tue Oct 24 16:34:59 2023 Switch16 Switch(config-if-range)#exit

Tue Oct 24 16:35:02 2023 Switch16 Switch(config)#exit

Tue Oct 24 16:35:05 2023 Switch16 Switch#show vlan

Tue Oct 24 16:41:16 2023 Switch15 Switch>enable

Tue Oct 24 16:41:17 2023 Switch15 Switch#conf t

Tue Oct 24 16:41:25 2023 Switch15 Switch(config)#vlan 9

Tue Oct 24 16:41:29 2023 Switch15 Switch(config-vlan)#name Lab\_A

Tue Oct 24 16:41:31 2023 Switch15 Switch(config-vlan)#exit

Tue Oct 24 16:41:40 2023 Switch15 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 16:41:50 2023 Switch15 Switch(config-if-range)#switchport mode access

Tue Oct 24 16:41:57 2023 Switch15 Switch(config-if-range)#switchport access vlan 9

Tue Oct 24 16:41:58 2023 Switch15 Switch(config-if-range)#exit

Tue Oct 24 16:41:59 2023 Switch15 Switch(config)#exit

Tue Oct 24 16:42:01 2023 Switch15 Switch#show vlan

Tue Oct 24 16:42:17 2023 Switch14 Switch>enable

Tue Oct 24 16:42:18 2023 Switch14 Switch#conf t

Tue Oct 24 16:42:25 2023 Switch14 Switch(config)#vlan 10

Tue Oct 24 16:42:29 2023 Switch14 Switch(config-vlan)#name Lab\_B

Tue Oct 24 16:42:34 2023 Switch14 Switch(config-vlan)#exit

Tue Oct 24 16:42:45 2023 Switch14 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/2

Tue Oct 24 16:42:48 2023 Switch14 Switch(config-if-range)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 16:42:57 2023 Switch14 Switch(config-if-range)#switchport mode access

Tue Oct 24 16:43:06 2023 Switch14 Switch(config-if-range)#switchport access vlan 10

Tue Oct 24 16:43:07 2023 Switch14 Switch(config-if-range)#exit

Tue Oct 24 16:43:08 2023 Switch14 Switch(config)#exit

Tue Oct 24 16:43:10 2023 Switch14 Switch#show vlan

Tue Oct 24 16:43:23 2023 Switch13 Switch>enable

Tue Oct 24 16:43:25 2023 Switch13 Switch#conf t

Tue Oct 24 16:43:31 2023 Switch13 Switch(config)#vlan 11

Tue Oct 24 16:43:35 2023 Switch13 Switch(config-vlan)#name Lab\_C

Tue Oct 24 16:43:40 2023 Switch13 Switch(config-vlan)#exit

Tue Oct 24 16:43:48 2023 Switch13 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 16:43:54 2023 Switch13 Switch(config-if-range)#switchport mode access

Tue Oct 24 16:44:04 2023 Switch13 Switch(config-if-range)#switchport access vlan 11

Tue Oct 24 16:44:05 2023 Switch13 Switch(config-if-range)#exit

Tue Oct 24 16:44:06 2023 Switch13 Switch(config)#exit

Tue Oct 24 16:44:08 2023 Switch13 Switch#show vlan

Tue Oct 24 16:44:21 2023 Switch12 Switch>enable

Tue Oct 24 16:44:22 2023 Switch12 Switch#conf t

Tue Oct 24 16:44:25 2023 Switch12 Switch(config)#vlan 12

Tue Oct 24 16:44:30 2023 Switch12 Switch(config-vlan)#name Faculty\_Block

Tue Oct 24 16:44:33 2023 Switch12 Switch(config-vlan)#exit

Tue Oct 24 16:44:46 2023 Switch12 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 16:44:54 2023 Switch12 Switch(config-if-range)#switchport mode access

Tue Oct 24 16:44:56 2023 Switch12 Switch(config-if-range)#sw

Tue Oct 24 16:45:06 2023 Switch12 Switch(config-if-range)#switchport access vlan 12

Tue Oct 24 16:45:08 2023 Switch12 Switch(config-if-range)#exit

Tue Oct 24 16:45:09 2023 Switch12 Switch(config)#exit

Tue Oct 24 16:45:11 2023 Switch12 Switch#show vlan

Tue Oct 24 16:45:42 2023 Router4 Router>enable

Tue Oct 24 16:45:43 2023 Router4 Router#conf t

Tue Oct 24 16:45:57 2023 Router4 Router(config)#interface fastEthernet 0/0

Tue Oct 24 16:46:06 2023 Router4 Router(config-if)#ip address 200.133.100.1

Tue Oct 24 16:46:11 2023 Router4 Router(config-if)#ip address 200.133.100.1 255.255.255.0

Tue Oct 24 16:46:16 2023 Router4 Router(config-if)#no shutdown

Tue Oct 24 16:46:30 2023 Router4 Router(config-if)#interface serial 2/0

Tue Oct 24 16:46:41 2023 Router4 Router(config-if)#ip address 200.133.101.1

Tue Oct 24 16:46:45 2023 Router4 Router(config-if)#ip address 200.133.101.1 255.255.255.0

Tue Oct 24 16:46:48 2023 Router4 Router(config-if)#no shutdown

Tue Oct 24 16:46:54 2023 Router4 Router(config-if)#interface serial 3/0

Tue Oct 24 16:46:58 2023 Router4 Router(config-if)#ip address 200.133.102.1 255.255.255.0

Tue Oct 24 16:47:01 2023 Router4 Router(config-if)#no shutdown

Tue Oct 24 16:47:02 2023 Router4 Router(config-if)#exit

Tue Oct 24 16:47:26 2023 Router3 Router>enabl

Tue Oct 24 16:47:28 2023 Router3 Router#conf t

Tue Oct 24 16:47:39 2023 Router3 Router(config)#interface fastEthernet 0/0

Tue Oct 24 16:47:45 2023 Router3 Router(config-if)#ip address 200.133.100.1

Tue Oct 24 16:47:49 2023 Router3 Router(config-if)#ip address 200.133.100.1 255.255.255.0

Tue Oct 24 16:47:53 2023 Router3 Router(config-if)#no shutdown

Tue Oct 24 16:48:01 2023 Router3 Router(config-if)#interface serial 2/0

Tue Oct 24 16:48:12 2023 Router3 Router(config-if)#ip address 200.133.101.1 255.255.255.0

Tue Oct 24 16:48:17 2023 Router3 Router(config-if)#no shutdown

Tue Oct 24 16:48:18 2023 Router3 Router(config-if)#exit

Tue Oct 24 16:48:24 2023 Router3 Router(config)#interface serial 3/0

Tue Oct 24 16:48:32 2023 Router3 Router(config-if)#ip address 200.1

Tue Oct 24 16:48:49 2023 Router3 Router(config-if)#ip address 200.133.102.1 255.255.255.0

Tue Oct 24 16:48:52 2023 Router3 Router(config-if)#no shutdown

Tue Oct 24 16:48:55 2023 Router3 Router(config-if)#exit

Tue Oct 24 16:49:06 2023 Router1 Router>enable

Tue Oct 24 16:49:08 2023 Router1 Router#conf t

Tue Oct 24 16:50:28 2023 Router1 Router(config)#conf t

Tue Oct 24 16:50:40 2023 Router1 Router(config)#interface fastEthernet 0/0

Tue Oct 24 16:50:48 2023 Router1 Router(config-if)#ip address 200.133.100.1

Tue Oct 24 16:50:53 2023 Router1 Router(config-if)#ip address 200.133.100.1 255.255.255.0

Tue Oct 24 16:50:57 2023 Router1 Router(config-if)#no shutdown

Tue Oct 24 16:51:06 2023 Router1 Router(config-if)#interface serial 2/0

Tue Oct 24 16:51:27 2023 Router1 Router(config-if)#ip address 200.133.101.1 255.255.255.0

Tue Oct 24 16:51:31 2023 Router1 Router(config-if)#no shutdown

Tue Oct 24 16:51:41 2023 Router1 Router(config-if)#interface

Tue Oct 24 16:51:45 2023 Router1 Router(config-if)#interface serial 3/0

Tue Oct 24 16:51:51 2023 Router1 Router(config-if)#ip address 200.133.102.1 255.255.255.0

Tue Oct 24 16:51:54 2023 Router1 Router(config-if)#no shutdown

Tue Oct 24 16:51:55 2023 Router1 Router(config-if)#no shutdown

Tue Oct 24 16:51:58 2023 Router1 Router(config-if)#exit

Tue Oct 24 16:55:25 2023 Switch4 Switch>enable

Tue Oct 24 16:55:27 2023 Switch4 Switch#conf t

Tue Oct 24 16:55:46 2023 Switch4 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 16:55:53 2023 Switch4 Switch(config-if-range)#switchport mode access

Tue Oct 24 16:56:02 2023 Switch4 Switch(config-if-range)#switchport access vlan 5

Tue Oct 24 16:56:07 2023 Switch4 Switch(config-if-range)#exit

Tue Oct 24 16:56:09 2023 Switch4 Switch(config)#vlan 5

Tue Oct 24 16:56:13 2023 Switch4 Switch(config-vlan)#name Lab\_A

Tue Oct 24 16:56:15 2023 Switch4 Switch(config-vlan)#exit

Tue Oct 24 16:56:16 2023 Switch4 Switch(config)#exit

Tue Oct 24 16:56:18 2023 Switch4 Switch#show vlan

Tue Oct 24 16:57:58 2023 Switch5 Switch>enable

Tue Oct 24 16:57:59 2023 Switch5 Switch#conf t

Tue Oct 24 16:58:02 2023 Switch5 Switch(config)#vlan 6

Tue Oct 24 16:58:06 2023 Switch5 Switch(config-vlan)#name Lab\_B

Tue Oct 24 16:58:08 2023 Switch5 Switch(config-vlan)#exit

Tue Oct 24 16:58:17 2023 Switch5 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 16:58:21 2023 Switch5 Switch(config-if-range)#switchport mode access

Tue Oct 24 16:58:29 2023 Switch5 Switch(config-if-range)#switchport access vlan 6

Tue Oct 24 16:58:31 2023 Switch5 Switch(config-if-range)#exit

Tue Oct 24 16:58:33 2023 Switch5 Switch(config)#exit

Tue Oct 24 16:58:34 2023 Switch5 Switch#show vlan

Tue Oct 24 16:58:49 2023 Switch2 Switch>enable

Tue Oct 24 16:58:51 2023 Switch2 Switch#conf t

Tue Oct 24 16:58:53 2023 Switch2 Switch(config)#vlan 5

Tue Oct 24 16:58:59 2023 Switch2 Switch(config-vlan)#name Lab\_A

Tue Oct 24 16:59:02 2023 Switch2 Switch(config-vlan)#vlan 6

Tue Oct 24 16:59:08 2023 Switch2 Switch(config-vlan)#name Lab\_B

Tue Oct 24 16:59:10 2023 Switch2 Switch(config-vlan)#vlan 7

Tue Oct 24 16:59:16 2023 Switch2 Switch(config-vlan)#name Lab\_C

Tue Oct 24 16:59:20 2023 Switch2 Switch(config-vlan)#vlan 8

Tue Oct 24 16:59:33 2023 Switch2 Switch(config-vlan)#name Faculty\_Block

Tue Oct 24 16:59:35 2023 Switch2 Switch(config-vlan)#exit

Tue Oct 24 16:59:37 2023 Switch2 Switch(config)#exit

Tue Oct 24 16:59:39 2023 Switch2 Switch#e

Tue Oct 24 16:59:41 2023 Switch2 Switch#conf t

Tue Oct 24 17:00:01 2023 Switch2 Switch(config)#interface fastEthernet 0/2

Tue Oct 24 17:00:10 2023 Switch2 Switch(config-if)#switchport mode trunk

Tue Oct 24 17:00:13 2023 Switch2 Switch(config-if)#exit

Tue Oct 24 17:00:41 2023 Switch2 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 17:00:45 2023 Switch2 Switch(config-if-range)#switchport mode trunk

Tue Oct 24 17:00:52 2023 Switch2 Switch(config-if-range)#switchport trunk vlan 5

Tue Oct 24 17:00:54 2023 Switch2 Switch(config-if-range)#exit

Tue Oct 24 17:10:25 2023 Switch8 Switch>enable

Tue Oct 24 17:10:26 2023 Switch8 Switch#conf t

Tue Oct 24 17:10:28 2023 Switch8 Switch(config)#vlan 5

Tue Oct 24 17:10:32 2023 Switch8 Switch(config-vlan)#name Lab\_A

Tue Oct 24 17:10:34 2023 Switch8 Switch(config-vlan)#exit

Tue Oct 24 17:10:46 2023 Switch8 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 17:10:50 2023 Switch8 Switch(config-if-range)#switchport mode access

Tue Oct 24 17:10:56 2023 Switch8 Switch(config-if-range)#switchport access vlan 5

Tue Oct 24 17:11:02 2023 Switch8 Switch(config-if-range)#exit

Tue Oct 24 17:11:11 2023 Switch9 Switch>enable

Tue Oct 24 17:11:12 2023 Switch9 Switch#conf t

Tue Oct 24 17:11:17 2023 Switch9 Switch(config)#vlan 6

Tue Oct 24 17:11:23 2023 Switch9 Switch(config-vlan)#name Lab\_B

Tue Oct 24 17:11:25 2023 Switch9 Switch(config-vlan)#exit

Tue Oct 24 17:11:33 2023 Switch9 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 17:11:36 2023 Switch9 Switch(config-if-range)#switchport mode access

Tue Oct 24 17:11:45 2023 Switch9 Switch(config-if-range)#switchport access vlan 6

Tue Oct 24 17:11:47 2023 Switch9 Switch(config-if-range)#exit

Tue Oct 24 17:11:58 2023 Switch10 Switch>enable

Tue Oct 24 17:11:59 2023 Switch10 Switch#conf t

Tue Oct 24 17:12:02 2023 Switch10 Switch(config)#vlan 7

Tue Oct 24 17:12:06 2023 Switch10 Switch(config-vlan)#name Lab\_C

Tue Oct 24 17:12:07 2023 Switch10 Switch(config-vlan)#exit

Tue Oct 24 17:12:15 2023 Switch10 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 17:12:22 2023 Switch10 Switch(config-if-range)#switchport mode access

Tue Oct 24 17:12:29 2023 Switch10 Switch(config-if-range)#switchport access vlan 7

Tue Oct 24 17:12:30 2023 Switch10 Switch(config-if-range)#exit

Tue Oct 24 17:12:40 2023 Switch11 Switch>enable

Tue Oct 24 17:12:42 2023 Switch11 Switch#conf t

Tue Oct 24 17:12:46 2023 Switch11 Switch(config)#vlan 8

Tue Oct 24 17:12:51 2023 Switch11 Switch(config-vlan)#name Faculty\_Block

Tue Oct 24 17:13:00 2023 Switch11 Switch(config-vlan)#exit

Tue Oct 24 17:13:08 2023 Switch11 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 17:13:13 2023 Switch11 Switch(config-if-range)#switchport mode access

Tue Oct 24 17:13:20 2023 Switch11 Switch(config-if-range)#switchport access vlan 8

Tue Oct 24 17:13:22 2023 Switch11 Switch(config-if-range)#exit

Tue Oct 24 17:13:35 2023 Switch1 Switch>enable

Tue Oct 24 17:13:36 2023 Switch1 Switch#conf t

Tue Oct 24 17:13:58 2023 Switch1 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 17:14:08 2023 Switch1 Switch(config-if-range)#switchport mode trunk

Tue Oct 24 17:14:36 2023 Switch3 Switch>enable

Tue Oct 24 17:14:38 2023 Switch3 Switch#conf t

Tue Oct 24 17:14:50 2023 Switch3 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 17:14:56 2023 Switch3 Switch(config-if-range)#switchport mode trunk

Tue Oct 24 17:14:57 2023 Switch3 Switch(config-if-range)#e

Tue Oct 24 17:14:58 2023 Switch3 Switch(config)#exit

Tue Oct 24 17:15:17 2023 Switch0 Switch>enable

Tue Oct 24 17:15:18 2023 Switch0 Switch#conf t

Tue Oct 24 17:15:28 2023 Switch0 Switch(config)#interface range fastEthernet 0/1 - fastEthernet 0/5

Tue Oct 24 17:15:32 2023 Switch0 Switch(config-if-range)#switchport mode trunk

Tue Oct 24 17:15:33 2023 Switch0 Switch(config-if-range)#exit