

Island Setup

- ◆ 1 L2 Switch (2960)
- ◆ 4 PCs
- ◆ Connect to router with copper straight-through (black cable)

Switch Config

```
1  enable
2  conf t
3  vlan X0
4  name IslaX
5  exit
6  # PC ports
7  interface range fastEthernet 0/1-4
8  switchport mode access
9  switchport access vlan X0
10 # trunk config
11 interface g0/1
12 switchport mode trunk
13 no shutdown
14 # verify config
15 show vlan brief
16 show interface g0/1 switchport
17 show ip interface brief
```

Router Config

```
1  enable
2  conf t
3  interface g0/X
4  no shutdown
5  # VLAN subinterfaces
6  interface g0/A.X0
7  encapsulation dot1Q X0
8  ip address 172.16.123.YZ 255.255.255.240
9  # verify config
10 show ip interface brief
11 # cleanup
12 no interface g0/X
```