VLAN Configuration

1. Configure VLANS
   1. In config-terminal create VLANs. Use (vlan N) command for each VLAN
   2. Optionally name the VLANS. Use (name NAME)
2. Assign Switch Ports to VLANS
   1. Go to port interfaces, and set switch port to access mode. (switchport mode access)
   2. Assign switchport to VLAN. (switchport access vlan N).
3. Configure Trunk Port
   1. Trunk ports are used to communicate between VLANs
   2. In port interface, set switchport to trunk mode.
   3. Connect router to trunk port
4. Configure inter-VLAN routing on the router
   1. Divide physical interface into logical interfaces
   2. In router, go to config-termical
   3. Enter interface for port, but add vlan after dot.
      1. For example, int fa0/0.10 is VLAN 10 on port fa0/0
   4. Encapsulation dot1q 10 for vlan 10
   5. Add IP address of vlan. Ip add $(address) $(mask)