**1. First, change the switch name with “hostname and time ” command.**

Switch>

Switch>

Switch>en

Switch>enable

Switch#configure terminal

Switch(config)#

Switch(config)#hostname KTM

KTM(config)#

KTM#^Z

KTM#clock set 09:15:30 november 20 2023

KTM#

KTM#show clock

9:15:35.873 UTC Mon Nov 20 2023

KTM#

KTM#wr

Building configuration...

[OK]

KTM#

**2. Now create the VLANs using “VLAN” command.**

KTM>enable

KTM#configure terminal

KTM(config)#

KTM(config)#vlan 10

KTM(config-vlan)#name Marketing

KTM(config-vlan)#vlan 20

KTM(config-vlan)#name Accounting

KTM(config-vlan)#vlan 30

KTM(config-vlan)#name Sales

KTM(config-vlan)#vlan 40

KTM(config-vlan)#name Administrator

KTM#wr

Building configuration...

[OK]

KTM#

**3. Just type the “do sh vlan” command from config mod to see whether VLANs are created or not.**

A screenshot of a computer

Description automatically generated

4. Now try to add interfaces to each of these VLANs. All the Interfaces ports are within the default VLAN and not yet grouped to Marketing, Accounting, and Sales. So try to add an interface to a VLAN with the “Switchport” command.

KTM>enable

KTM#configure terminal

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

KTM(config)#

KTM(config)#interface fastEthernet 0/1

KTM(config-if)#switchport mode access

KTM(config-if)#switchport access vlan 10

KTM(config-if)#exit

KTM(config)#interface fastEthernet 0/2

KTM(config-if)#switchport mode access

KTM(config-if)#switchport access vlan 20

KTM(config-if)#exit

KTM(config)#interface fastEthernet 0/3

KTM(config-if)#switchport mode access

KTM(config-if)#switchport access vlan 30

KTM(config-if)#exit

KTM(config)#interface fastEthernet 0/4

KTM(config-if)#switchport mode access

KTM(config-if)#switchport access vlan 40

KTM(config-if)#exit

KTM(config)#interface fastEthernet 0/5

KTM(config-if)#switchport mode access

KTM(config-if)#switchport access vlan 10

KTM(config-if)#exit

KTM(config)#interface fastEthernet 0/6

KTM(config-if)#switchport mode access

KTM(config-if)#switchport access vlan 20

KTM(config-if)#exit

KTM(config)#interface fastEthernet 0/7

KTM(config-if)#switchport mode access

KTM(config-if)#switchport access vlan 30

KTM(config-if)#exit

KTM(config)# interface fastEthernet 0/8

KTM(config-if)#switchport access mode

KTM(config-if)#switchport access vlan 40

KTM(config-if)#exit

KTM(config)# wr



