SINDH MADRESSATUL ISLAM UNIVERSITY
Aiwan-e-Tijarat Rd, Seari Quarters, Karachi, Karachi City,
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Computer Networks
Project [Mini Office Network]

Mini Office Network Cisco Packet Tracer

Mini Office is a pre-designed network scenario in Packet Tracer that simulates a small office network, complete with devices such as computers, routers, switches, and servers. The purpose of the Mini Office scenario is to provide a simple, ready-made environment for users to practice configuring and troubleshooting various networking tasks.

Packet Tracer is a network simulation software developed and distributed by Cisco Systems.

Office Network Design Structure:

- Department (Sales | HR | I.T).
- Router | Switch | Server.

Conclusion:

the Mini Office network in Packet Tracer is a useful tool for learning about networking concepts and practices. It provides a realistic, hands-on experience for me to practice configuring and troubleshooting various networking scenarios. As a semester project, working with the Mini Office network in Packet Tracer can help me develop a strong understanding of how networks operate and how to effectively manage them. Overall, the Mini Office network in Packet Tracer is a valuable resource for anyone interested in networking and seeking to gain practical experience in a simulated environment.

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Configuration:

```
Router#hostname Router
Router#
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int f0/1
Router(config-if)#ip add 192.168.1.1 255.255.255.0
Router(config-if)#no sh
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
Router(config-if)#exit
Router(config)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#sh ip int br
Interface IP-Address OK? Method Status Protocol
FastEthernet0/0 192.168.2.1 YES manual up up
FastEthernet0/1 192.168.1.1 YES manual up up
FastEthernet1/0 192.168.3.1 YES manual up up
FastEthernet1/1 192.168.4.1 YES manual up up
Vlan1 unassigned YES unset administratively down down
Router#
```

Output: