ACL Practice

Addressing Table

Routers	Interface	IP address
R2	S0/0/0 (DCE)	11.0.0.2 /30
	G 0/0.10 (VLAN 10)	**192.168.10.1 /24**
	G 0/0.20 (VLAN 20)	**192.168.20.1 /24**
	G 0/0.99 (VLAN 99)	**192.168.99.1 /24**
R1	S0/0/0	11.0.0.1/30
	G 0/0	192.168.50.1 /24

PC Configurations	IP Address	Default Gateway
Web Server	192.168.50.5 /24	192.168.50.1
FTP server	192.168.50.6 /24	192.168.50.1
P1	192.168.10.5 /24	192.168.10.1
P2	192.168.20.5 /24	192.168.20.1

S2 Switch Config	Interface	IP Address	Default Gateway
VLAN: 10, 20, 99 (native) Trunk ports: f0/1	VLAN 99	192.168.99.2/ 24	192.168.99.1

Tasks

- Configure routers R1 and R2.
- Use Ethernet ports in Routers as **passive** interfaces. Use Serial **clock** rate 64000 in all cases.
- Configure the Switch S2 for VLAN 10, 20 and 99 as specified in the figure.
- Configure ACL in appropriate router so that the following can be ensured:
  - o PC1 can access Web server, but not FTP server
  - o PC2 can access FTP server, not Web server
  - o Other accesses should be allowed

Tests

1. Ping from all PCs to other PCs
2. Check ACL for its correctness