Basic Router Configurations

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| Command | Description |
| **configure terminal** | enters global configuration mode from privileged EXEC mode |
| **copy running-config**  **startup-config** | saves the configuration file |
| **disable** | returns to user EXEC mode |
| **enable** | enters privileged EXEC mode |
| **enable password** *[password]* | sets the enable password |
| **enable secret** *[password]* | sets the enable secret password |
| **exit** | exits one level in the menu structure |
| **hostname** *[host-name]* | sets the device name |
| **interface** *[type - number]*  i.e. fastethernet 0/0 | changes from global configuration mode to interface configuration mode |
| **ip address**  *[ip-address] [subnet-mask]* | assigns an IP address to an interface |
| **logout** | exits user EXEC mode from the command-line interface (CLI) and ends the current session |
| **no shutdown** | enables an interface |
| **ping** *[ip-address]* | sends an Internet Control Message Protocol (ICMP) echo request to the specified address |
| **show interfaces** *[type number]* | displays statistics for all interfaces configured on the router |
| **show ip interface brief** | displays a brief summary of interface status and configuration |
| **show protocols** | displays Layer 3 protocols enabled for a device |
| **show running-config** | displays the active configuration file |
| **show startup-config** | displays the backup configuration file |
| **show version** | displays hardware platform and software versions |