

LAB 3

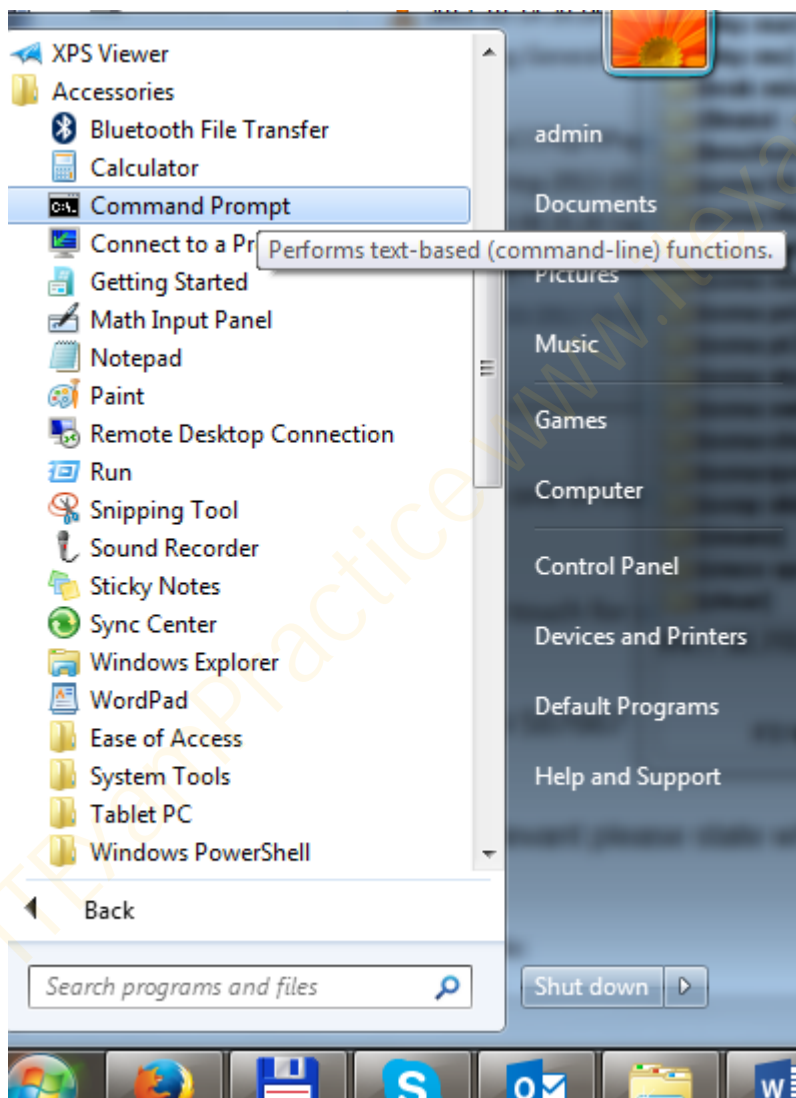
CMD commands

Troubleshooting

To open a command prompt:

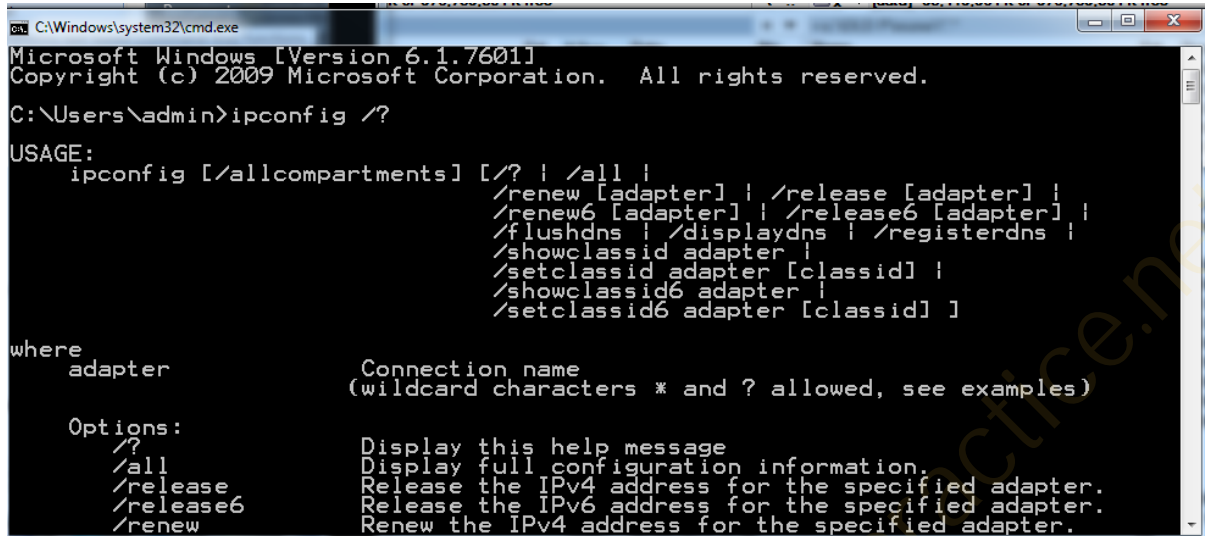
Start -> Programs -> Accessories, Command prompt, or

Start -> Run -> type "cmd"



Not sure what a command is for?

Use "command" /?



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\admin>ipconfig /?

USAGE:
    ipconfig [/allcompartments] [/? | /all |
        /renew [adapter] | /release [adapter] |
        /renew6 [adapter] | /release6 [adapter] |
        /flushdns | /displaydns | /registerdns |
        /showclassid adapter |
        /setclassid adapter [classid] |
        /showclassid6 adapter |
        /setclassid6 adapter [classid] ]

where
    adapter          Connection name
                    (wildcard characters * and ? allowed, see examples)

Options:
    /?              Display this help message
    /all           Display full configuration information.
    /release       Release the IPv4 address for the specified adapter.
    /release6      Release the IPv6 address for the specified adapter.
    /renew         Renew the IPv4 address for the specified adapter.
```

Basic file commands:

- cd – change directory (cd/ - go to the root)
- dir – show files and folders
- cls – clear screen
- Copy x y – copy a file

Basic network commands:

- ipconfig – TCP/IP configuration information for your PC
- ipconfig /all – more details, including MAC addresses, DHCP information etc
- ping x.x.x.x – tests if a host/server is alive (be aware some firewalls will not allow ping icmp)
- tracert - displays route taken to a remote host
- nbtstat - gives statistics and technical NetBIOS details. NetBIOS over TCP/IP (NetBT) resolves NetBIOS names to IP addresses
- netstat - protocol statistics and current TCP/IP connections
- hostname - displays the networking computer name

General Networking

Want to see more commands? Check here:

http://en.wikipedia.org/wiki/List_of_MS-DOS_commands

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