

Mac Beginner's Tutorial

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Before Starting with Exercise let me start with the fundamental Keys. That we don't have in Windows two Iceland Keyboard

⌘(Command key) - On some Apple keyboards, this key also has an Apple logo (🍏)

⌥ (Control key)

⌥ (Option key) - "Alt" may also appear on this key

⇧ (Shift key)

⇧(Caps Lock) - Toggles Caps Lock on or off

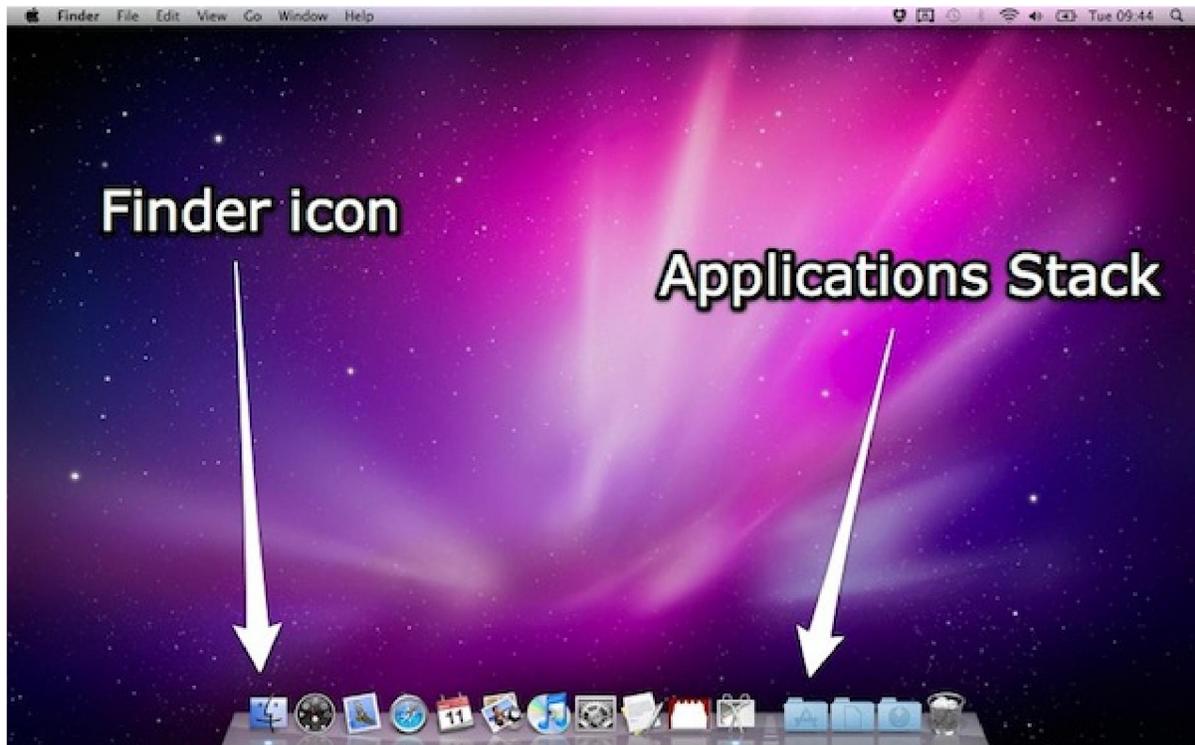
fn (Function key)

1. How to find out the hidden files in MAC?

Ans:

To enable hidden files/folders in finder windows:

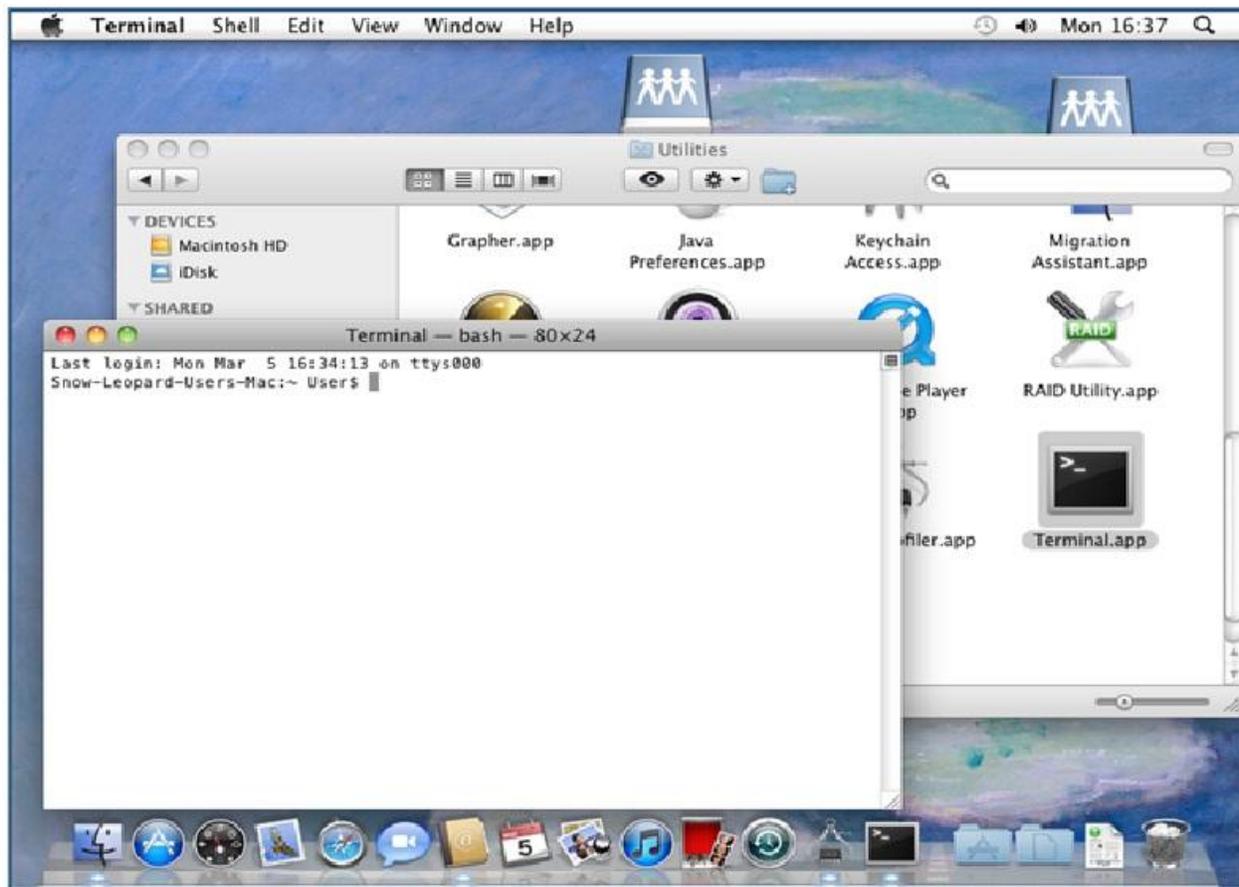
1. Open Finder



2. Open the Utilities folder



3. Open a terminal window



4. Copy and paste the following line in:

defaults write com.apple.Finder AppleShowAllFiles YES (Remember this is case sensitive commands so be careful)

5. Press return

6. Now hold 'alt' on the keyboard and right click on the Finder icon

7. Click on Re-launch

You should find you will now be able to see any hidden files or folders

8. Once you finish the task then write the above command again on Terminal and Replace **YES with NO and return**

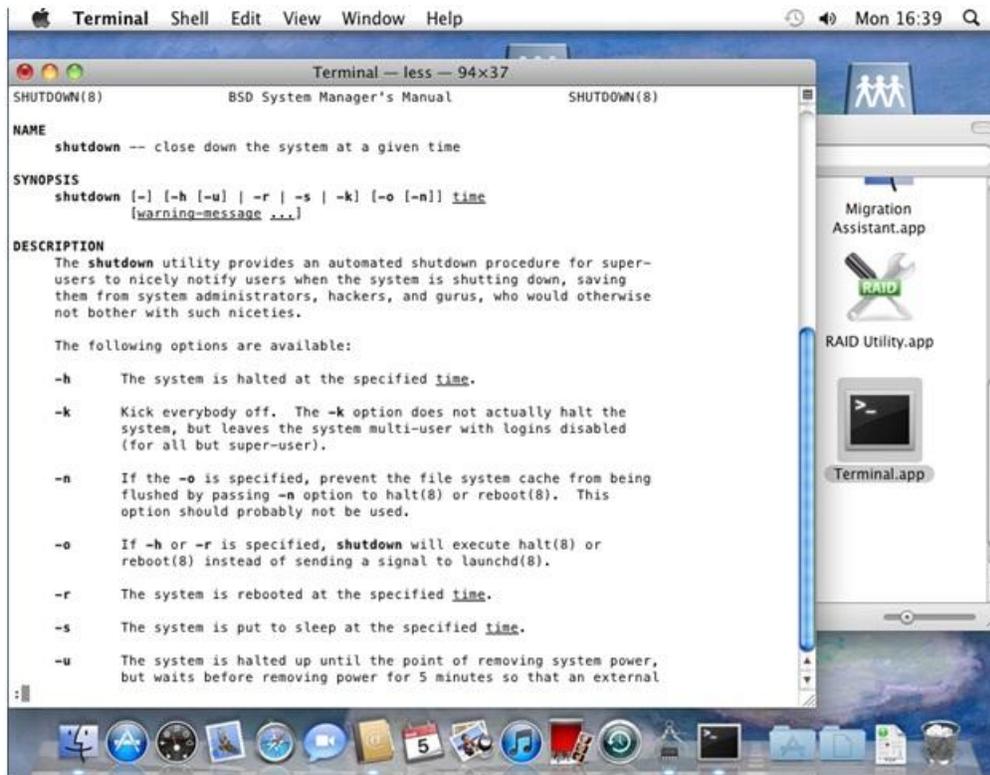
2. Keyboard Shortcut

Ans: Reference

3. Shutdown the OS from terminal command.

Ans :

- 1- Open the finder
- 2- Go to Application -> Utility
- 3- Click on Terminal



- 4- A white window will open {if we write **man shutdown** then it will show the detail of shutdown options}
- 5- Write shutdown (for more shutdown options write man shutdown) and enter
- 6- A pop up window will appear and click on shutdown

4. How to enable right click for mouse?

Ans:

To configure the right mouse button on the Mighty Mouse, select System Preferences from the Apple menu, and then select Keyboard & Mouse. Select the Mouse tab.



Make sure the right mouse button is set as the Secondary Button, as seen in the screenshot above.

5. How to check the version of the OS installed?

Ans:

Through Terminal command 1- - `/usr/bin/sw_vers`

2- It will display the version of Mac Os and it will also show the RAM and Processor Detail.

Through Mouse Click

1- Click on **apple button** on Top



- 2- Click on **About this Mac**
- 3- A window will open and it will show **the version of Mac** along with **RAM** and **processor Detail**.



6. What is difference b/w i386 and ppc? (Power PC) (Boot Camp)

Ans :

Let me start with Power PC and its journey that starts with the alliance of IBM, Motorola and Apple in 90s.

Power Pc stands for **Performance Optimization With Enhanced RISC – Personal Computer** is designed along the RISC principle. Version of Power PC exists with 32 and 64 bit implementation.

Originally intended for personal computers, PowerPC CPUs have since become popular as embedded and high-performance processors. PowerPC was the cornerstone of AIM's PREP (PowerPC Reference Platform) and Common Hardware Reference Platform initiatives in the 1990s and while the architecture is well known for being used by Apple's Macintosh lines from 1994 to 2006 (before Apple's transition to Intel), its use in video game consoles and embedded applications provided an array of uses..

Version of Mac Os that came with Power PC between 1994 to 2006 named as **Classic Mac Os**

List

Mac OS X 10.0
Mac OS X 10.1
Mac OS X 10.2
Mac OS X 10.3
Mac OS X 10.4

7. How to change the OS language?

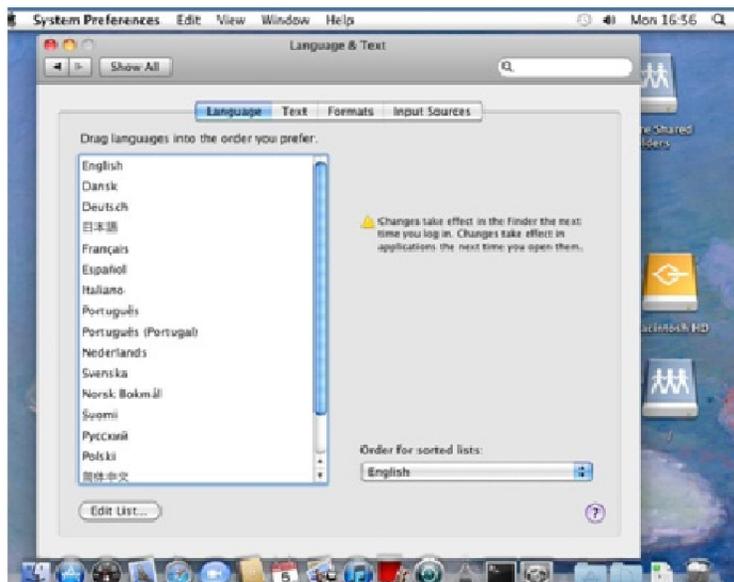
Ans:

- 1- Click on **Apple logo on top**
- 2- Click on **System Preferences**
- 3- A window will open



4- Click on **Language & Text**

5- **Drag Language** at the Top that you want to see your default language.



And then Re-start the current account. Change in language will come into action.

8. How to view the file extensions of different files?

Ans:

1- Open any file right click on it

- 2- Click on **Get Info**
- 3- A window will open
- 4- “**Kind**” will show the **extension**

If you want to see the extension of all file normally with extension then follow the steps

- 1- Click on **finder**
- 2- Click on **preference**



- 3- Preference window will open. Click on **Advance**
- 4- **Check the check box “Show all filename extensions”**

Now every file will be visible with their respective Extensions.

9. Which utility on Mac can be used for taking the screenshot of the windows?

Ans: Grab application is used to take screenshot.(Though it is applicable in VMware Mac Install)

Steps:

- 1: Open **Grab from Utility**
- 2: From **Capture** -> select the options like **Screen** (through this you can take snapshot of full screen), **Window**, **Selection** (through this you can take screenshot of selected region)
- 3- These snapshot will have **extension .tiff by default**

Method to change the format of snapshot to jpeg and other supporting extension

1. Open **preview from Application**
2. From **File-> open** the required file
3. From **File -> Save as** and select any extension to which you want to convert.

⇒ **If you want to change the default format of screenshot through Terminal (/application/utility/terminal)**

Then

Write the following command:

***defaults write com.apple.screencapture type image_format
killall SystemUIServer***

Example :

*If you want to change the format of screenshot to Jpeg
Then type this as command in terminal*

***defaults write com.apple.screencapture type jpeg
killall SystemUIServer***

It will change the default screenshot format from .tiff to .jpeg

⇒ **Terminal commands to take screenshot and save it on desktop**

`screencapture -iW ~/Desktop/screen.jpg`

Here name of file is Screen and it will be on desktop

10. What is the keyboard shortcut for taking the screenshot of the desktop?

Ans:

1. Command-Shift-3: Take a screenshot of the screen, and save it as a file on the desktop
2. Command-Shift-4, then select an area: Take a screenshot of an area and save it as a file on the desktop
3. Command-Shift-4, then space, then click a window: Take a screenshot of a window and save it as a file on the desktop

But when we use **Control** in **combination of above keyboard shortcuts** then all files will be saved in clipboard.

Note : default extension of screenshot will be .tiff

11. How to click photos from imac?

Ans:

- 1- Open Photo Booth (/finder/application/Photo Booth)
- 2- A comprehensive window opens
- 3- Click on Camera button
- 4- Photo will be seen after click.

12. Find out the version of mac on your machine and also find from Apple site which the latest version.

Ans:

Click on **apple button** on Top

Click on **About this Mac**

A window will open and it will show **the version of Mac** along with **RAM** and **processor Detail** Select

Latest Version of Apple Mac Os is **Lion** and very soon Apple is going to launch **Mountain Lion**

13. Which is a equitant player for Windows media player in Mac?

Ans: Quick Time Player

14. What are the different names for different Oss?

Version	Codename	Release Date
Rhapsody Developer Release	Grail1Z4 / Titan1U	August 31, 1997
Mac OS X Server 1.0	Hera	March 16, 1999
Darwin Developer Preview		March 16, 1999
Public Beta	Kodiak	September 13, 2000
Mac OS X 10.0	Cheetah	March 24, 2001
Mac OS X 10.1	Puma	September 25, 2001
Mac OS X 10.2	Jaguar	August 24, 2002
Mac OS X 10.3	Panther	October 24, 2003
Mac OS X 10.4	Tiger	April 29, 2005
Mac OS X 10.5	Leopard	October 26, 2007
Mac OS X 10.6	Snow Leopard	August 28, 2009
Mac OS X 10.7	Lion	July 20, 2011
OS X 10.8	Mountain Lion	Late Summer 2012

15. What is default browser of Mac.

Ans: Safari

16. Open a PDF in browser in Mac.

Ans:

- 1- Open Safari Browser from Doc
- 2- Open share folder and drag any pdf in to Safari browser(or type path of the file in Browser)
- 3- You can read the pdf in Browser

Note:

- a. This is not implemented for the .Doc,.xls file and also for picture with extension .bmp
- b. But this can be done once only for one PDF file if you want to open another PDF in same window then it will seems disabled
- c. For new PDF file open it in new Tab

17. What are the different finder views?

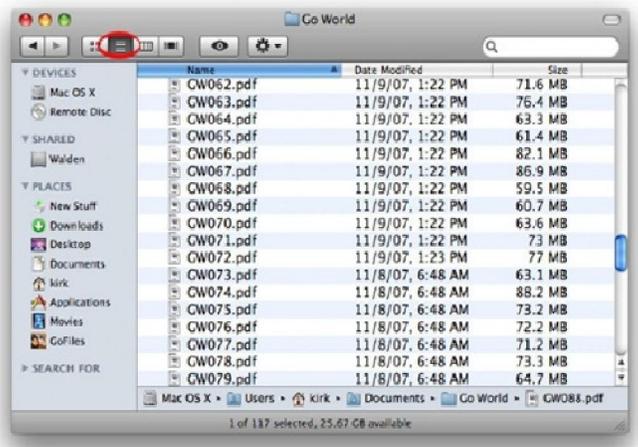
Ans:

It has 4 view (very similar to Windows view)

- 1- Icon view



- 2- Compact list View



- 3- Powerful column view



4- Cover Flow View



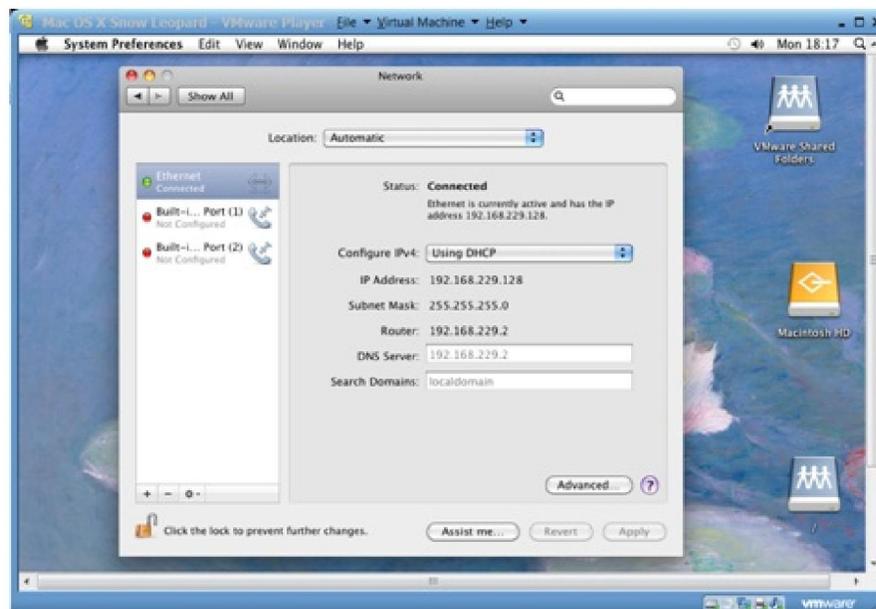
18. how to find out the IP of your system?

Ans:

- a. Click on Apple logo
- b. Open System Preference



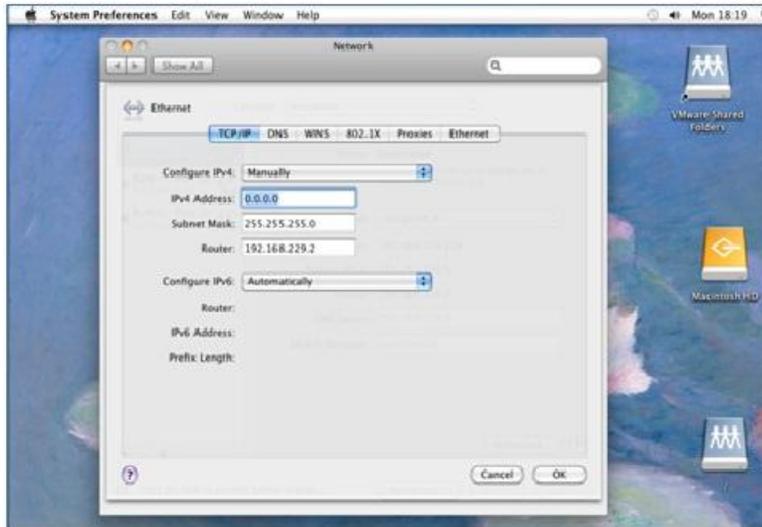
- c. Now in **Internet and Wireless** select **Network**
- d. A window will open and will have the **IP address**



Note :

Process to edit the IP address

- 1- Follow the above 1-4 steps
- 2- On network window -> Click Advance



- 3- Select TCP/IP
- 4- TCP/IP -> Configure IPv4 -> Select **Manually/Using DHCP with manual address** option in drop down list
- 5- Enter your **IP address** and Click on **OK button**.

19. How to change screen resolution?

Ans:

- 1- Click on **Apple Logo**
- 2- Open **System Preference**
- 3- Now in **Hardware** option -> **Click on Display**
- 4- A window **with list of Resolution** will Appear
- 5- Select the resolution that you want to have
Effect of **Resolution** change will take place within **15 Second**

20. Changing the brightness using keyboard keys.

Ans:

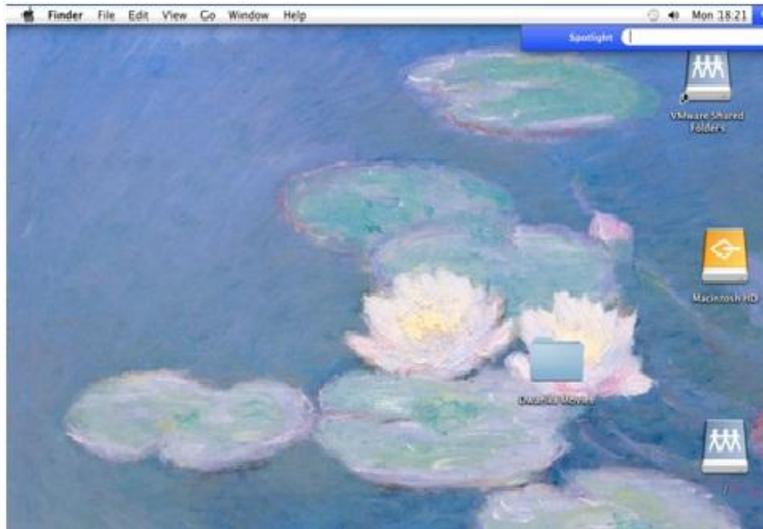
F14- Use to decrease the brightness

F15- Use to increase the Brightness

Note: All though F14 and F15 function key is not available in Windows based 2 Iceland Keyboard

21. How to search files/ folders in mac?

Ans:



At the Top of the Right most corner you will see an Lens viewer Click on it. A spotlight search box will open. Type your query to search. It will search for the current user account.

22. Map network drives on system. (SMB and AFB protocol)

Ans:

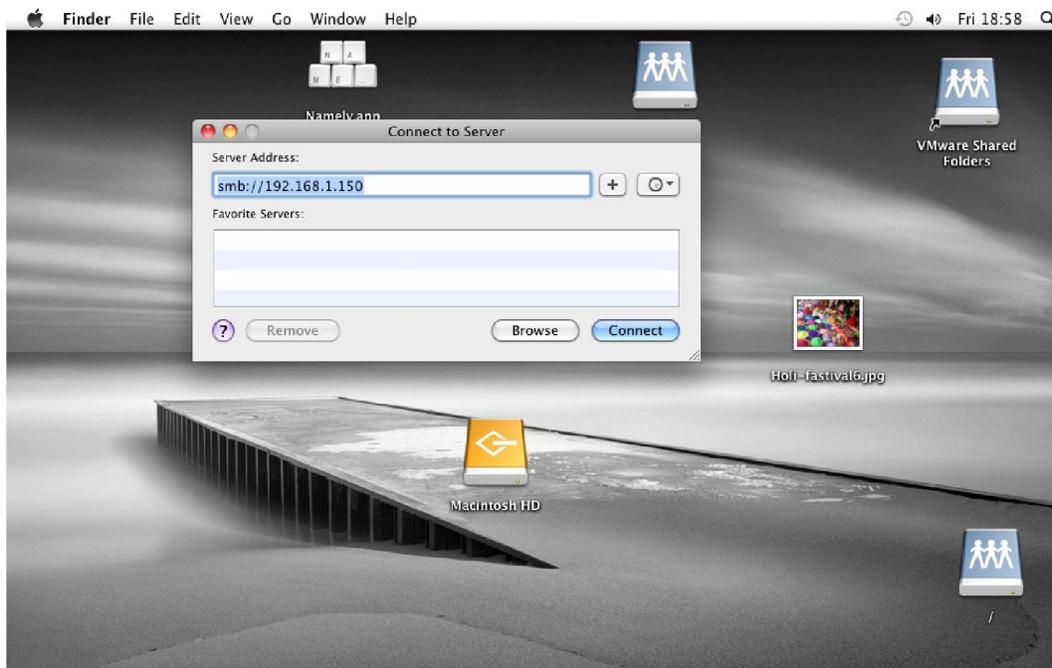
Let me start with SMB:

SMB Stands for **Server Message Blocker**. It is application-layer network protocol and mainly used for providing shared access to files, printers, serial ports, and miscellaneous communications between nodes on a network. It also provides an authenticated inter-process communication mechanism. Most usage of SMB involves computers running Microsoft Windows, where it was known as "Microsoft Windows Network" before the subsequent introduction of Active Directory. Corresponding Windows services are the "Server Service" (for the server component) and "Workstation Service" (for the client component).

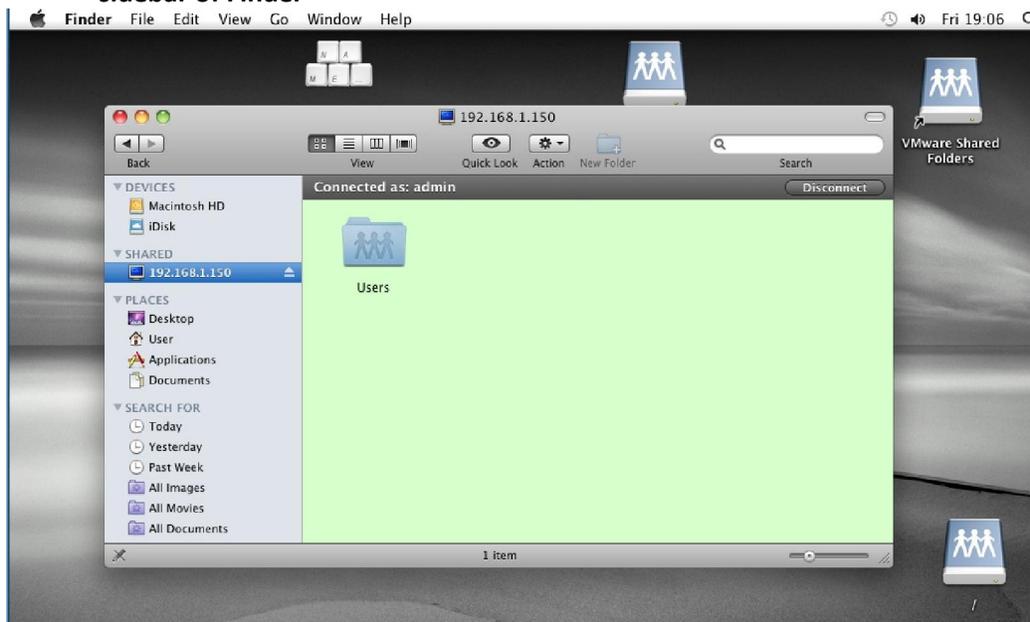
Second thing is **AFB(Apple Filing Protocol)**

The **Apple Filing Protocol (AFP)**, formerly AppleTalk Filing Protocol, is a proprietary network protocol that offers file services for Mac OS X and original Mac OS. In Mac OS X, AFP is one of several file services supported including Server Message Block (SMB), Network File System (NFS), File Transfer Protocol (FTP), and WebDAV. AFP currently supports Unicode file names, POSIX and access control list permissions, resource forks, named extended attributes, and advanced file locking. In Mac OS 9 and earlier, AFP was the primary protocol for file services.

- 1- Open Finder



- 2- Use this shortcut **Control +K** or **Go-> Connect to Server**
- 3- Enter server address of the resource that you wish to start Example `smb://www.nameofdomain.com/foldername` Example: **I have entered IP of my Windows computer**
- 4- Click on **Connect**.
- 5- Enter the **login**(Name of User of windows computer) and **passwords**(password of your windows computer)
- 6- Now your drive is mapped or In Mac language **your drive is mounted and it will be visible in sidebar of Finder**



23. Starting the mac in 64 bit mode

Ans:

- If your Mac uses the 32-bit kernel by default, but supports the 64-bit kernel, you can start up using the 64-bit kernel by holding the 6 and 4 keys during startup.
- If your Mac uses the 64-bit kernel by default, you can start up with the 32-bit kernel by holding the 3 and 2 keys during startup.

Your Mac will revert to the default kernel the next time you reboot it.(Although this is not working on VMware)

24. How to check if the machine has been booted in 64 bit or 32 bit?

25. Launching a Safari Browser in 64 bit as well as 32 bit.

Ans:

1. Press Control and click on Safari on Dock or Click on Finder->Application-> Safari
2. Right click on Safari -> Get Info



3. Check Open in 32-bit mode

This will help in opening Safari in 32 bit. Since Safari by default opens in 64 bit in Snow Leopard.

26. How to boot a Mac from a CD/DVD?

Ans:

This is possible to boot Mac from CD/DVD. This can be used by inserting CD/DVD in drive and **pressing C at the time of system boot.**

Note: this is slow process rather than booting from hard drive so keep patience.

27. Accessing the Mac's public folder from a Win machine.

Ans:

- 1- Open System Preferences by clicking Apple Logo at top

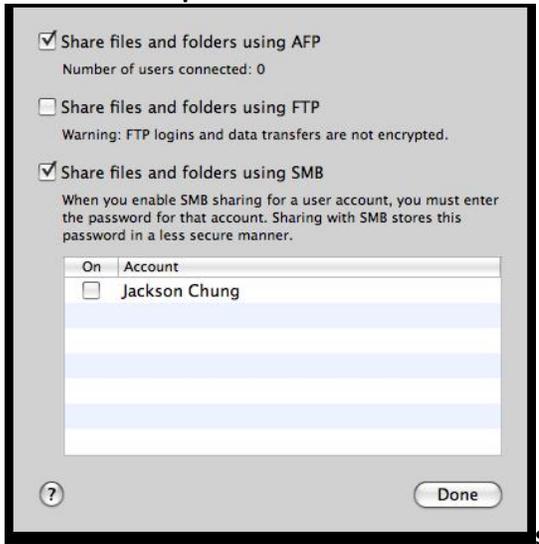


- 2- Go to **Sharing** and Check **File Sharing**



- 3- Click on **+** button to add the folder that you want to share with privilege Read Only or as per your requirement.

4- Now Click on **Option**

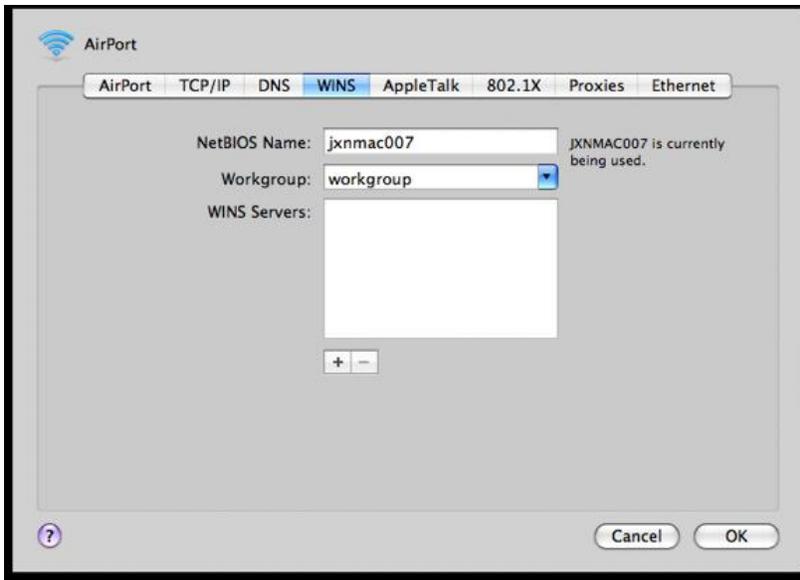


5- Now Check **Share files and folders using SMB (This is specially use for Windows)** and **Share files and folders using AFP**



6- Click on **Network** and then on **Advance**

7- Select **WINS**



- 8- Enter the name of Windows system as it is written in the property of My Computer.
- 9- Now Click on Start in Windows
- 10- Open Run
- 11- Write [\\IP](#) address of Mac or the name of Mac Machine
- 12- Now you can see the shared Items on Mac to Windows

28. Process to end hanged program/Method to resolve freeze screen.

Ans:

Most of the time, we face the problem of frozen and unresponsive program while working on multiple application on Mac. Only thing to come out of this clog is to kill the application

Steps to kill the application

1. Press Cmd-Option-Esc to bring Force Quit Application just like the Windows Ctrl+Shift+Delete
2. Select the **Application** and Click on the **Red Quit Process Button**
3. It will force application to quit.

Example : Suppose Safari is not working and we want to close it then

- 1- Press Cmd-Option-Esc
- 2- Select the Safari and Click on Quit Application.

- 3- A window will open with Message **“Are you sure you want to quit this process”** Click on Force Quit to kill the process.

29. Method to uninstall an installed application.

Ans:

- 1- Navigate to Install application (/Finder/Application/Required Application to Uninstall
- 2- Right Click and Click on Move to Trash or Just Drag the Icon to the Trash
- 3- This will uninstall the application

30. Run windows in Mac.

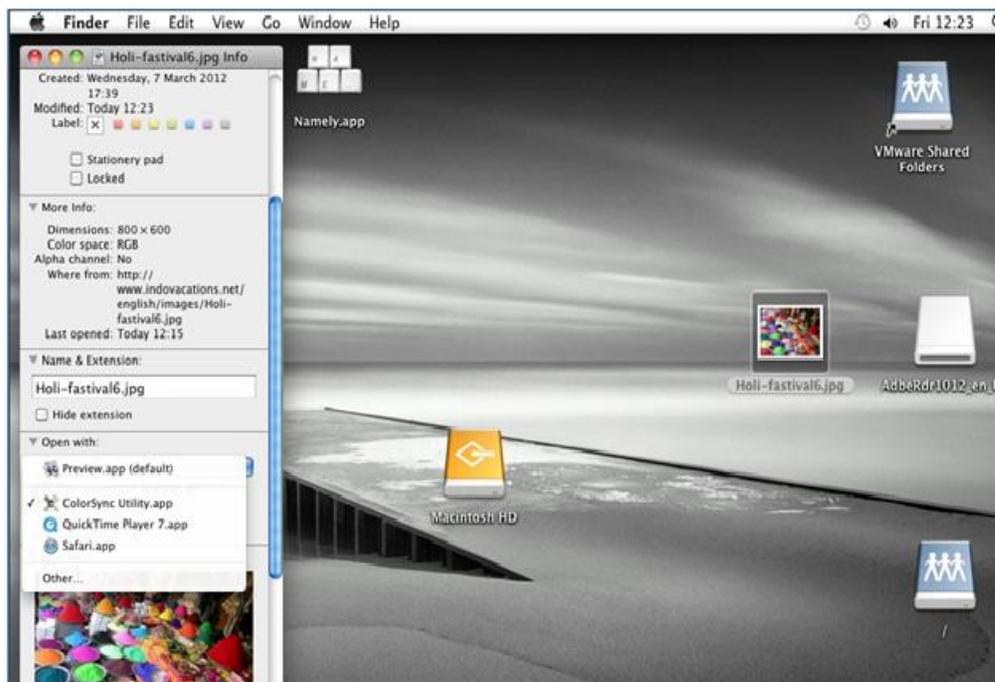
Ans:

Note: Please Read the PDF file named as [boot camp install-setup 10.7.pdf](#)

31. Steps to change default program to open certain file.

Ans:

1. Right Click on the file
2. Click on Get Info



3. Click on Open With and Select the program that you want as default program

4. Close the Info window and now click on the file and you will find it opening with the new assigned program.

32. What is Finder

Ans:

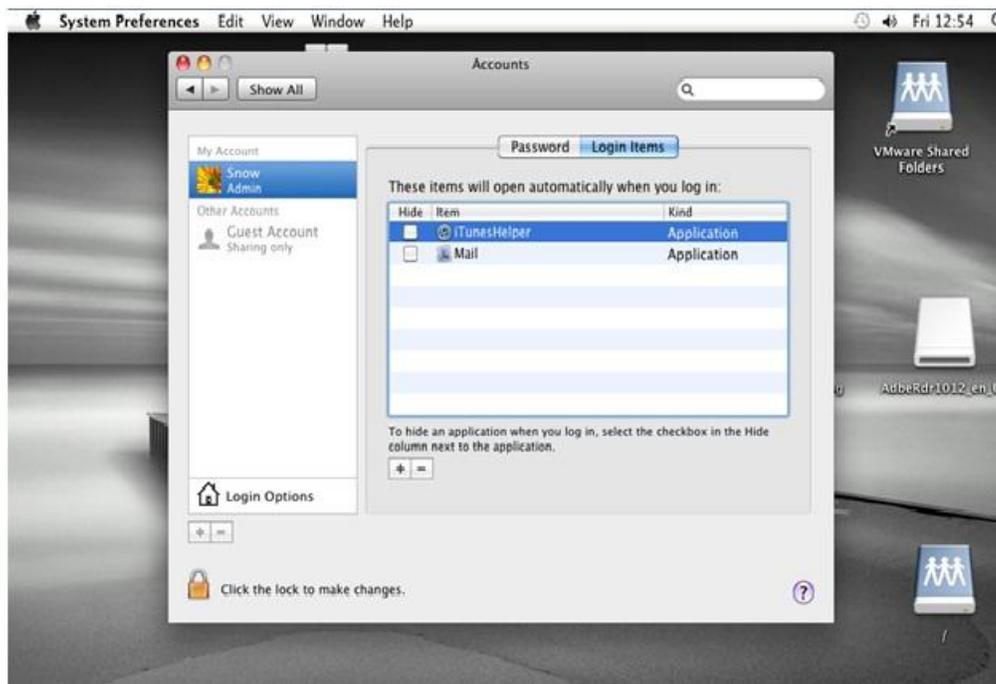
Finder allows you to visually access practically everything on your Mac, including applications, hard disks, files, folders, and CDs. You can use the Finder to organize all your files and folders as you want, search for stuff anywhere on your Mac, delete things you don't want.

33. Configuring the start up programs in Mac

Ans:

Suppose we want to start some program on System start up automatically then follow the Steps

- 1- Open System Preference



- 2- Click on Accounts in System
- 3- Select Login Items
- 4- Click on + button
- 5- Select the program that opens as soon as you login in to Mac

34. Device Manager equivalence in Mac.

Ans:

- 1- Click on Apple logo at top
- 2- Click on About this Mac



- 3- Click on More Info
- 4- It will open System Profiler. Here we can see the whole system hardware and driver and can have the comprehensive list of Devices.

35. Registry equivalence in Mac.

Ans:

Windows users are familiar with Registry and whenever they install an application, application get registered in Registry. The **Windows Registry** is a hierarchical database that stores configuration settings and options on Microsoft Windows operating systems. It contains settings for low-level operating system components as well as the applications running on the platform: the kernel, device drivers, services, SAM, user interface and third party applications all make use of the registry. The registry also provides a means to access counters for profiling system performance.

When Windows user comes to use Mac. He starts searching the same in Mac. In Mac we can find this from

Library->Preference

Here we can get the configuration information of all installed application

Application Support folder in Library acts as **Program Data of Windows**.