



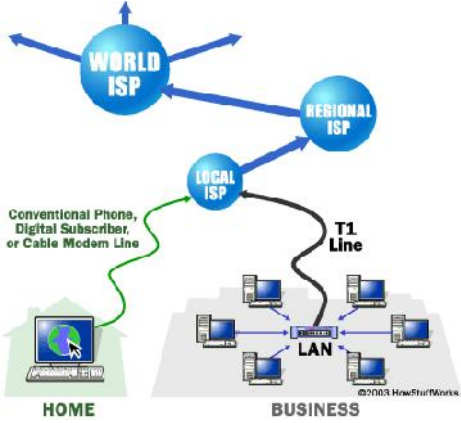
Welcome
to

Internet & E-Mail

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www.aeromaniacs.com/class
hemanlee@live.com

1

What is the Internet



Network of inter-connected
Computers

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Who Invented the Internet

- Not Al Gore
- ARPA -Advance Research Project Agency
- Late 50's
- Why? Because of Sputnik
- 1967 Lawrence Robert ARPANET
- 1991 open to public access



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Who Invented the WWW

World Wide Web & [Hyper-Text](#).

- [Tim Berners-Lee](#) & Robert Cailliau invented both the [HTML language](#) and the HTTP protocol at [CERN](#).
- '94 Berners-Lee went on to found the World Wide Web Consortium (W3C)

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Who is your ISP? Internet Service Provider Sacramento Area



It's usually your phone co. or cable tv.

- AT&T \$
- ComCast \$\$
- SureWest
- Frontier
- HughesNet (Satellite) \$\$\$



at&t

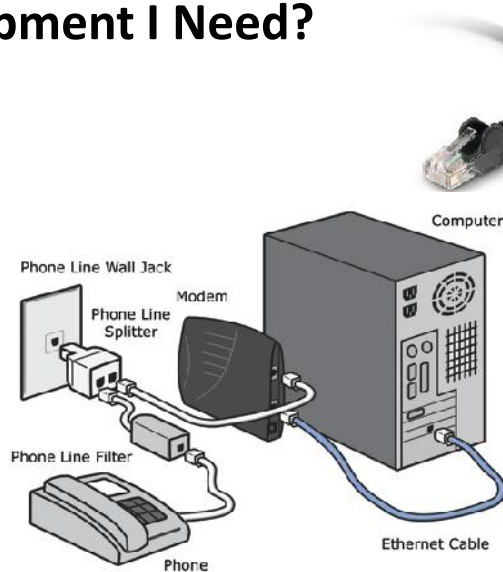
comcast



5

Equipment I Need?

- The Modem is usually supplied by the ISP
- Optional Wireless router can be purchased.
- With a Router, you can have as many PC connected in your home with no additional cost



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Optional Equipment

- Wireless Router
802.11 g/n
- Web Cam (Skype)
- Cat 5 cable



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Web Browser?



Firefox



Google Chrome



Internet Explorer



Safari (Apple)



Opera

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Browser vs Content

The browser to web content, is like TV Set to show. Your TV set does not changes when you turn to a different program?



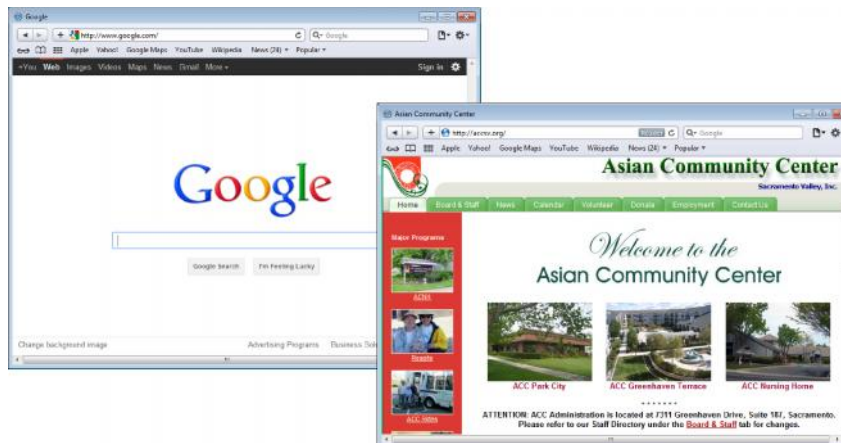
Internet Explorer is this old TV and the show to American Idol



Chrome is like this silver TV and the show is Lost.

Browser vs Content

What is the browser? What is the web site?



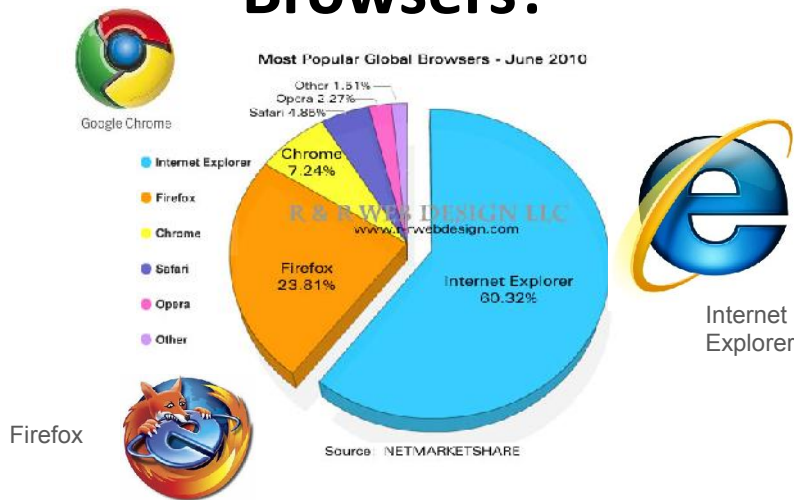
Browser vs Content

Here are 2 different browser on the same web page. (2 different TV;s can view the same channel)



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Top 3 Web Browsers?



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What Can I Do on the Internet

- Research, encyclopedia, find old friends
- Current News, Financial, Entertainment, Music..
- Learn, online courseware, tutorials...
- Communicate: Email, Blog, IM, Forum, Groups, Chat, Video phone (Skype)
- Online Banking, Bill Payment, Stock trading...
- Buy and Sell, Auctions, Print Store Coupons and deals.
- Look for employment
- Watch TV, Satellite, Foreign Soaps, Rent Videos...
- Play games, download music, videos, photos...

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Web Page Terminology

- HTTP – Hyper Text Transfer Protocol
- Home Page – the first page of the web site.
- Links (hyperlink) – jumped to another web page.
- Mouse over a link and the arrow become a hand icon.



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What to click on?

- Hyperlink – [Blue underline](#)
- Buttons
- Menu items
- Graphics
- Company Logo take you home.
- [I already click on this link.](#)



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Web Address

URL – Uniform Resource Locator

http://www.seniornet.org

protocol

server

Doman Name, Extension

http://www.seniornet.org/centers/demo.html

Folder

Web Page

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URL Types

The 3 letter after the dot

- Com – commercial
- Edu – educational institutions
- Gov – government
- Mil – military
- Org – non-profit organizations
- Net – internet related, isp...
- NATO-North Atlantic Treaty Org

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Guess the URL

Turn Default Search in Address Bar OFF:
Tools>Internet Options>Search: Setting
Uncheck **“Search in address bar”**

1. Find the White House
2. California State University, Sacramento
3. Apple Computer Company
4. IBM
5. IRS
6. Google in Japan
7. Hobby Lobby (Not Crafts, but Model Airplanes)
8. Asian Community Center

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ISP Home Page Portal

PORTALS



- ATT.NET
- COMCAST.NET
- IGOOGLE.COM
- BING.COM
- MSN.COM (default)

Why?

- Web Mail
- Local News
- Weather
- Personalize
- Search Engine

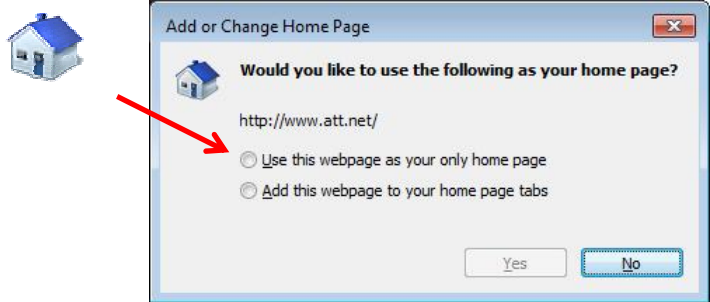
19

Browser's First Page "Make this your homepage"

1. Find your page 
2. Look for "**Make ? Your home page button**" on the web page. 
3. In IE, click on **Tools or Gear** menu.
4. Select **Internet Option**.
5. In **Home Pages box**, click **Use current**.
6. **OK**

20

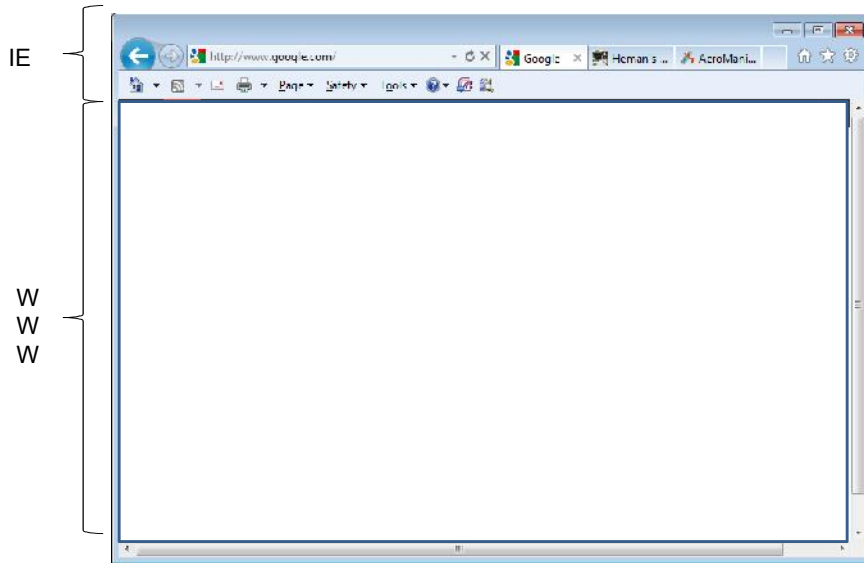
“Make this your homepage”



- For now, select the first item.
- You can have more than one home page using the tab feature.

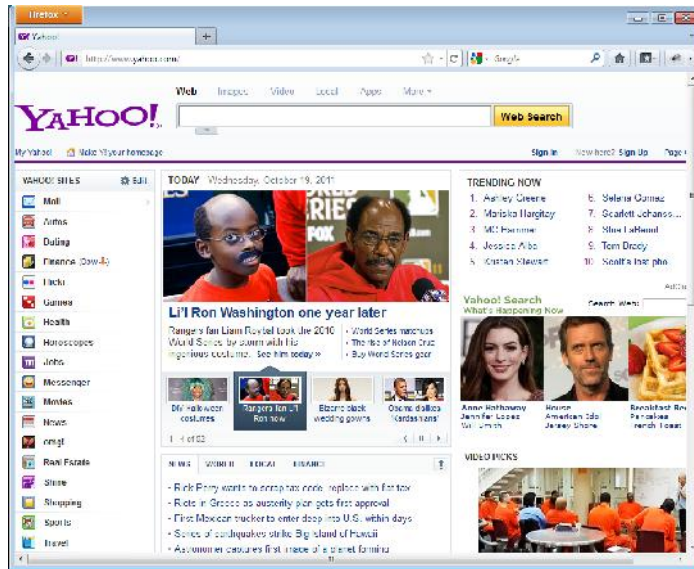
21

Internet Explorer 9



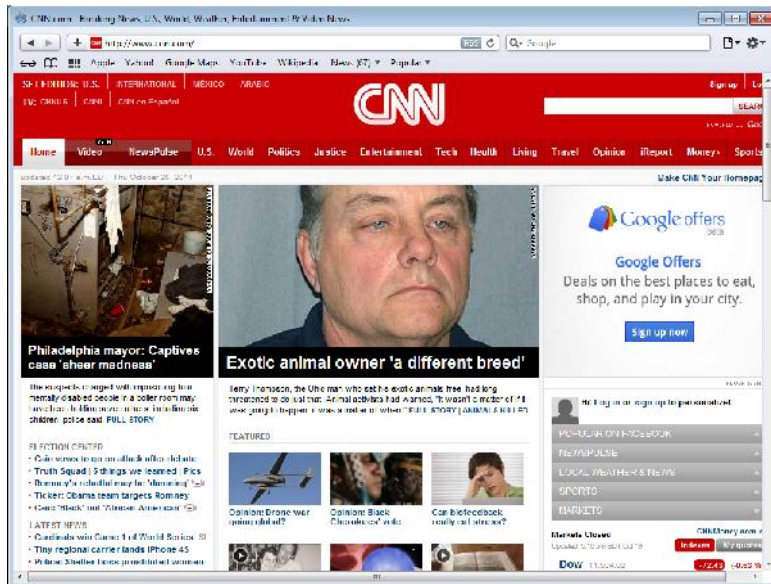
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Firefox 6.0









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Safari



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IE7/8 Browser Navigation

- Browser Default Home Page 
- Back from last web page 
- Forward: reverse your Back 
- Refresh: Reload web page 
- Stop: Halt web page from loading 
- Favorites: Save you favorite URL 

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IE9 Browser Navigation

IE9 has a clean more simple look to it. Less toolbar clutter.



Home Favorites Tools
Are in the upper right corner



Press ALT to show old menu bar.

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Search Engine Just ask a question?

- Google.com
- Bing.com
- Yahoo.com
- Lycos.com
- Ask.com
- Altavista.com
- Hotbot.com



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Meta Search

- Dogpile.com
- Mamma.com
- Metacrawler.com
- Search.com



Shopping Search

- Nextag.com
- Shopping.com
- Pricegrabber.com
- Mysimon.com

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Search Engine Logic?

AND

OR

-Exclude

+Include

“Exact Phrase”

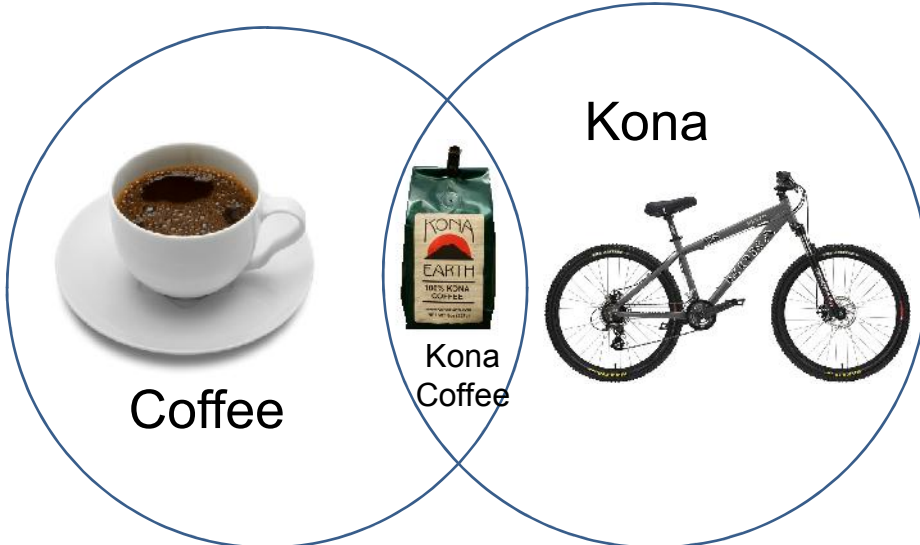
Date Range ..

*Wildcard

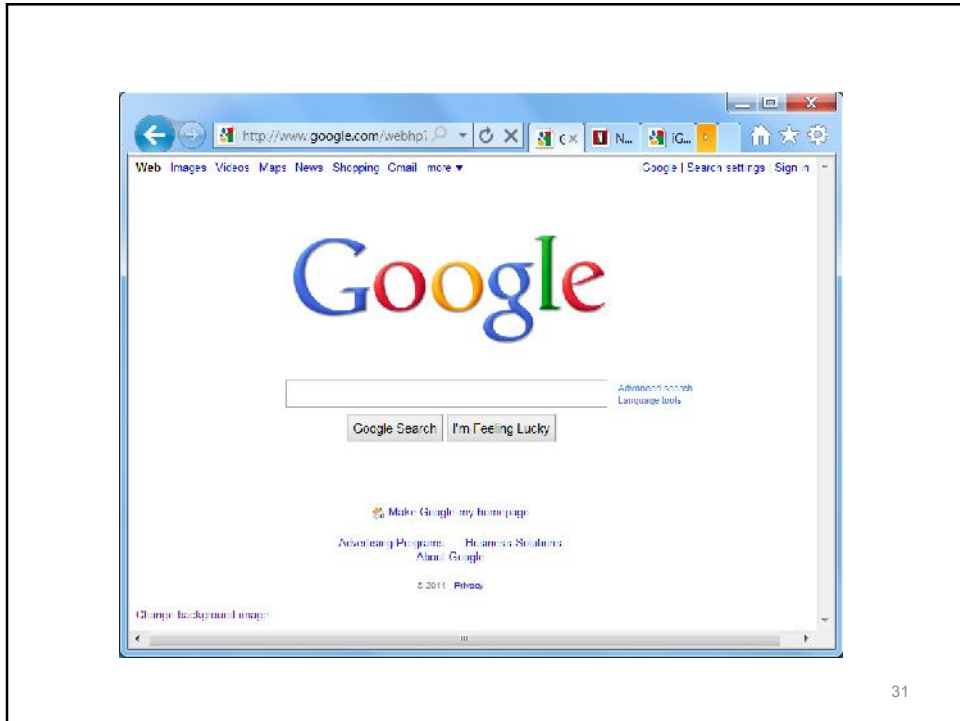


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AND OR LOGIC



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Google Search Operators

- Quoted Phrases ie. "The Who", "The Carpenters"
- The + (include) Operator ie +The Onion)
- The – Operator (exclude) ie dolphins -football
- The ~ Operator (Synonyms) ~cheap laptops
- The OR and | Operators
- The .. Operator ie. Russian Revolution 1800..2000
- The * (wild card) ie. Francis * Coppola

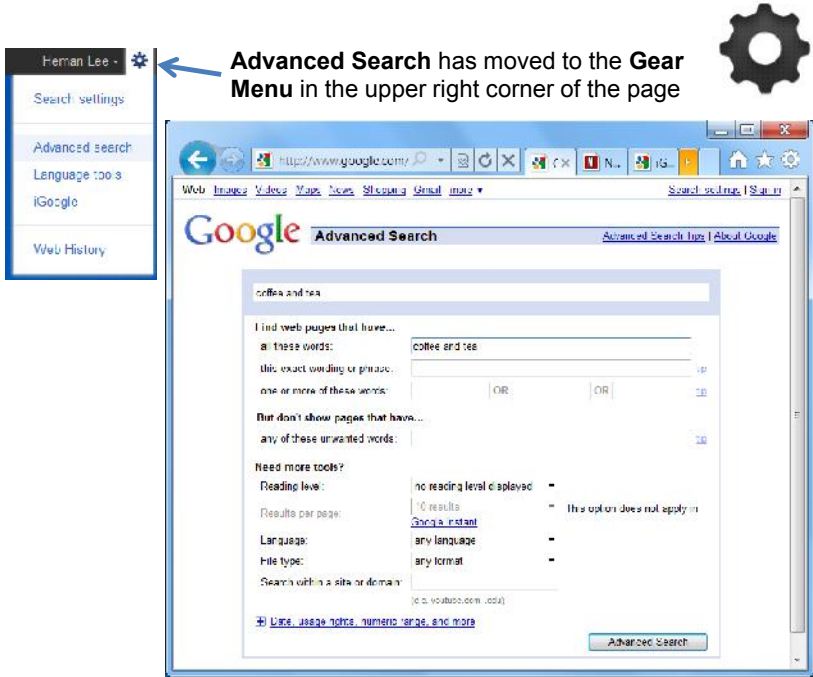
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Google Search Shortcuts

- Area Code Map
[212]
- Package Tracking
[999444666222]
- Flight Tracking Information
[united 42]
- Vehicle Information
[JH4NA1157MT001832]
- Patent Search
[patent 5122313]
- Your home address
[6455 Lake Park Dr., 95831]
- UPC [...]

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Advanced Search has moved to the **Gear Menu** in the upper right corner of the page



The screenshot shows the Google Advanced Search interface. The search query is "coffee and tea". The interface includes sections for "I find web pages that have..." with options for "at these words:", "this exact wording or phrase:", and "one or more of these words:". There is also a section for "But don't show pages that have..." with "any of these unwanted words:". Under "Need more tools?", there are dropdown menus for "Reading level:", "Results per page:", "Language:", and "File type:". The "Results per page:" dropdown is set to "20 results". At the bottom, there is a "Search within a site or domain:" field and an "Advanced Search" button.

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What is the Answer? Google it!

1. What is **Kopi Luwak**? Where does it come from?
2. Who is Andrea Corr and name her sibling?
3. Where and when did **Lewis and Clark** make the continental divide?
4. **“From hell's heart I stab at thee; for hate's sake I spit my last breath at thee.”** is a quote from what scifi movie, a what famous 19th century novel?
5. What time is it in **Hong Kong** right now? (time hk)
6. How many oz. in **227 gram? (227g to oz.)**
7. What is $94.83/23 \times 13 + 223$? (use * for multiply)
8. Does 6451 Lake Park Dr. Sacramento CA, have a swimming pool in the back yard?
9. Translate Chinese site **www.tom.com** to English?

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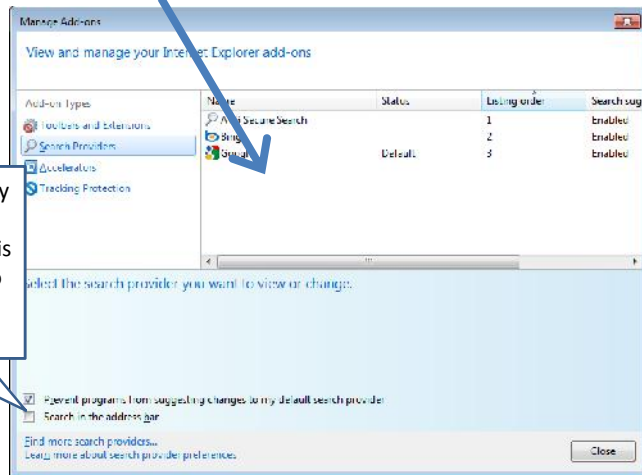
Google Math Secrets!

- + for addition - for subtraction
- * for multiplication
- / for division
- ^ for exponential (x to the power of y)
- % for modulo (to find the remainder after division)
- % of finds percentages X % of Y finds X percent of Y.
- **sqrt** finds the square root of the number that follows
- **ln** logarithm base e
- **log** logarithm base 10
- **lg** logarithm base 2
- **!** factorial – This must follow the number you wish to factor.

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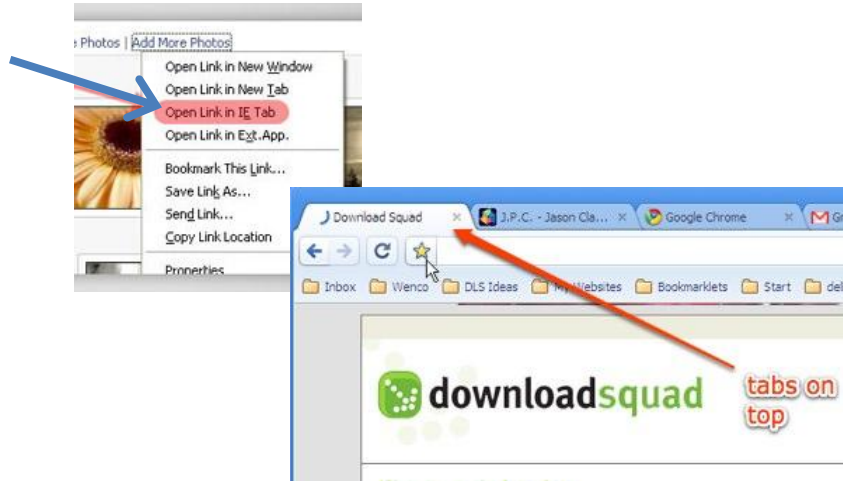
Default Search

If your browser already does a search in the URL Address Bar, that is because it is set to do so in **Internet Option**



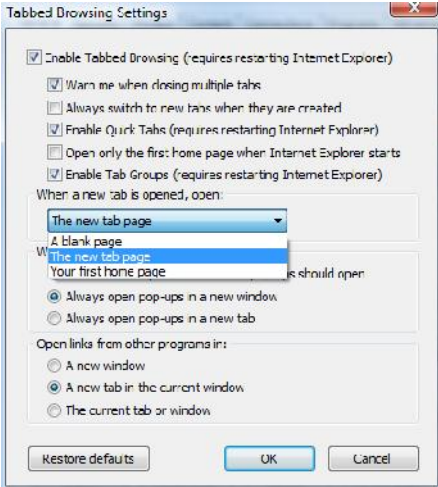
37

Tab Browsing



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Tab Browsing

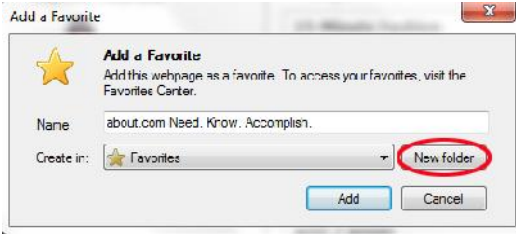
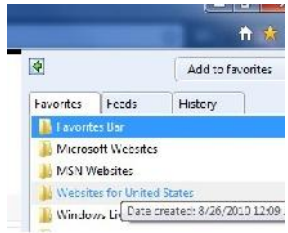


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Favorites

- Save Favorite URL
- Organize into folders
- Create favorite Toolbar
- Create desktop shortcut



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Favorite Icon



- Some web designers put a FAVICON in their web page
- It appears left of the URL in your browser Address Bar.



Drag the FAVICON to your desktop. A shortcut will automatically be created.

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Downloading

- Trialware
- Freeware/Open Source
- Media: MP3, WMA, WMV
- PDF Documents
- Games
- Photos

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Types of Website Menus

- Menu Bar on top
- Side Bar
- Tab Menu
- Pull Down
- Cascading Menu



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Tab Menus Newest Thing!



- Look like folder tabs
- Folder come forward



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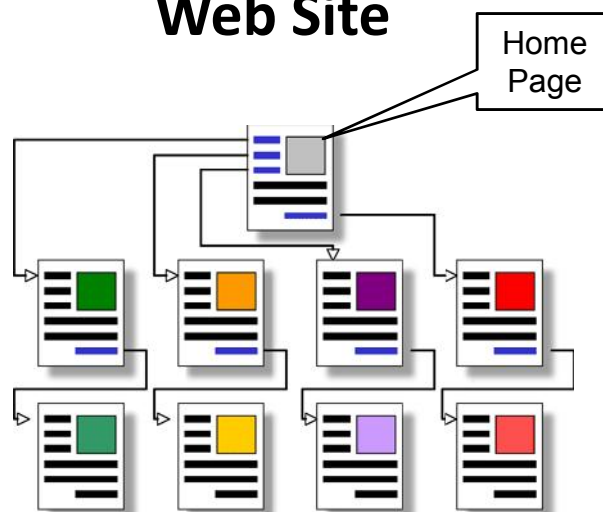
Navigate A Web Sites



- The first page is the **home page**, not to be confused with your **browser's** home page.
- The **Home Button** should always be available. If not, try to click on the company logo.

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Hierarchy of a Web Site



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Navigate a Website

- Every web site is different
- Menu system: Left frame, Top Frame, Tabs...
- Company Logo usually returns to the home page, if not use **Back**.
- Use mouse-over reveal text.



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Plugins/Addins/Addons

- They are **mini programs** sometime called: scripts or applets that is add to the browser by downloading.
- Why: **Enhanced** your web experience other that just Hypertext.
- What: **Plays multimedia** files such as Video, Music, Photos.
- Add **windows like functions**: Drag & Drop (Active-X)

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Essential Plugins/Addins/Addons

- Adobe PDF Reader
- Adobe Flash
- Microsoft Active-X (drag & drop)
- Apple Quicktime (Video and Audio)
- Java
- Adobe Shockwave/Flash: more robust, allow you to play game ins 3D

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I Don't Like Addons

- Addons are usually something you will see, while **plugins** work in the background (You don't see them until they are needed).
- Typical Yahoo c
- Don't get the look



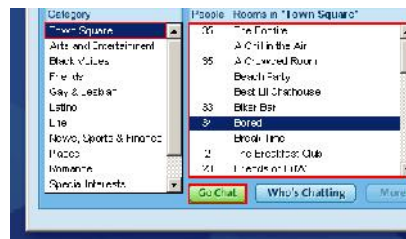
Too Many Add-ons?



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Join a Group for Forum

- Instant Messaging or Chat
- Discussion Groups
- Hobbies, Health, Tech Support
- Get your question answer
- Share info or experience with others



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Login & Security

- Login Name & Password
- Strong Password: Letters and number, case-sensitive.
- What is Captcha?

ishewt

pbkin
eaching

- What is a Cookie?

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Web Cookies



Why do we need cookies?

Faster Internet Browsing – The websites loads much more quicker.

Websites can remember you – This is very handy especially when you frequently logon to your accounts. The website you visited will remember you so you don't have to enter your password to logon.

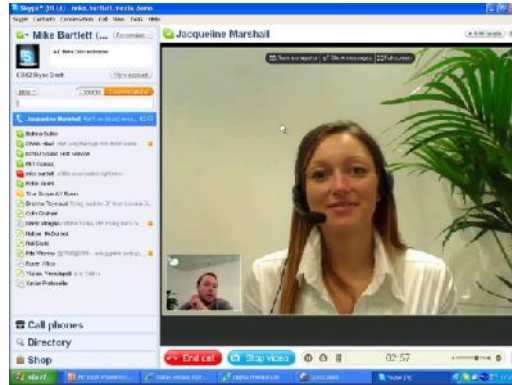
Personalize websites – Some sites has a feature that only shows news that only applies to your area. But this would not be possible without a cookie.

Optimized websites – Webmaster can easily determine which of their pages is more popular and which are not.

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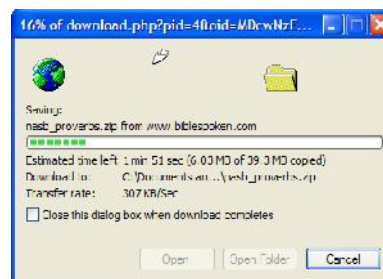
- Live chat
- Video phone with relatives
- Conference with a group
- Skype with Oprah or local news
- Require WebCam, speakers and mic



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Downloading

- Free Software
- Videos
- Music: MP3
- Photos
- Addon and Plugins
- Coupons and Discounts



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Uploading

- **Photos for processing or share**
- **Share Videos on YouTube**
- **Documents to share**
- **Files for backup**
- **Place an Ad on craigslist**
- **Upload your Web Page**



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Download Software

- **Trialware/Shareware**
Try it, if you like if buy it. Software is disabled or limited after trial period. (MS Office)
- **Freeware**
Free to use and distribute. May have restrict license such as personal use or for non-profit organization. (ie AVG FREE)
- **Open Source**
Freeware that is open to programmers, who can modify or enhance and distribute. (Abi Word, Open Office, Firefox...)



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Trialware

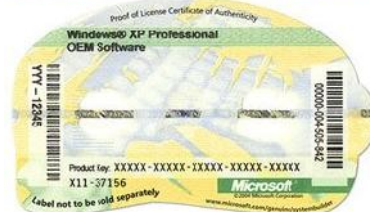


- Time Limit: (e.g. 60 days)
- Usage Limit (e.g. 5 times)
- Light Version with no support
- Limited Functionality

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How do they know your time limit is up?

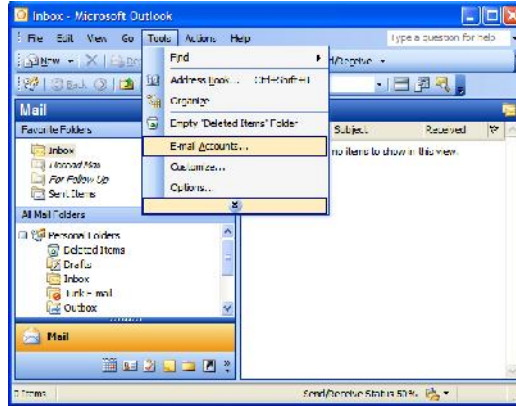
- Product Key 
- Online product activation



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Email Client

- Outlook (MS Office Bus Ver.)
- Outlook Express
- Live
- Eudora
- Thunderbird



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Web Mail

- AT&T Yahoo
- Free Yahoo
- Live (Hotmail)
- Gmail (Google)
- AOL
- Comcast webmail



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Web Mail Pro and Cons

- Easy setup
- Easy access
- Does not take up you own hard drive space
- FREE
- No software
- Slow
- Limited space
- Lack features
- Security
- Ads



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Gmail Your Email Address

- Unique to the world just like a URL
- No spaces, user _ or –
- Domain and ext is provided by your ISP (the name after the @ symbol)

hemanlee@sbcglobal.net valid
Heman lee@sbcglobal-net not valid

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eMail Address?

- AT&T – It is on your bill under your address.
- Call you ISP

hemanlee@sbcglobal.net	valid
heman3242@live.com	valid
HemanLee@yahoo-com	not valid
Heman lee@sbcglobal-net	not valid

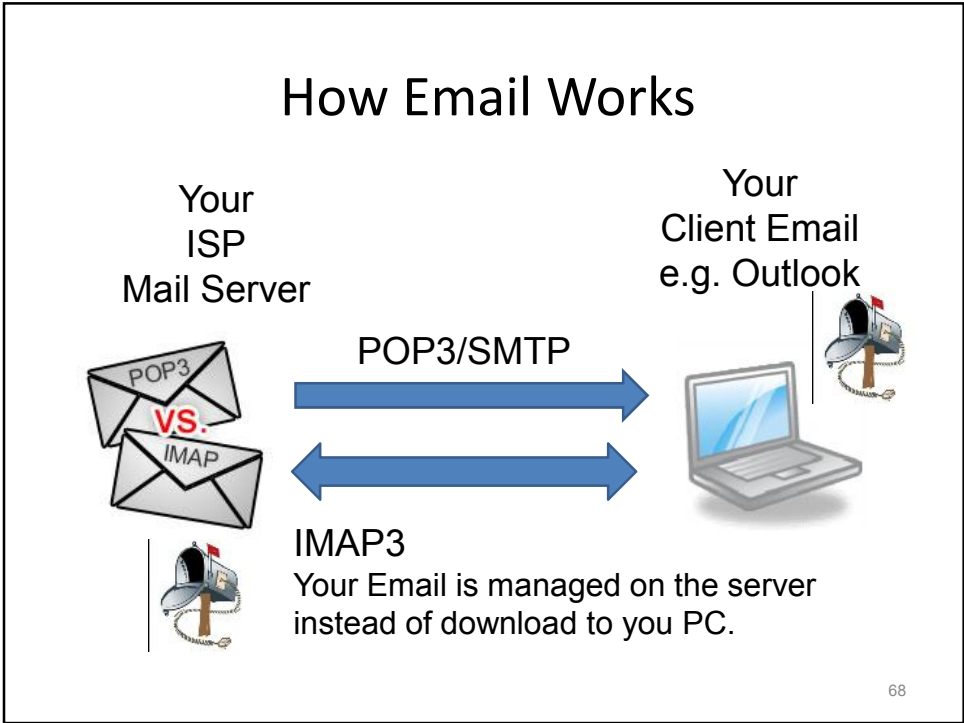
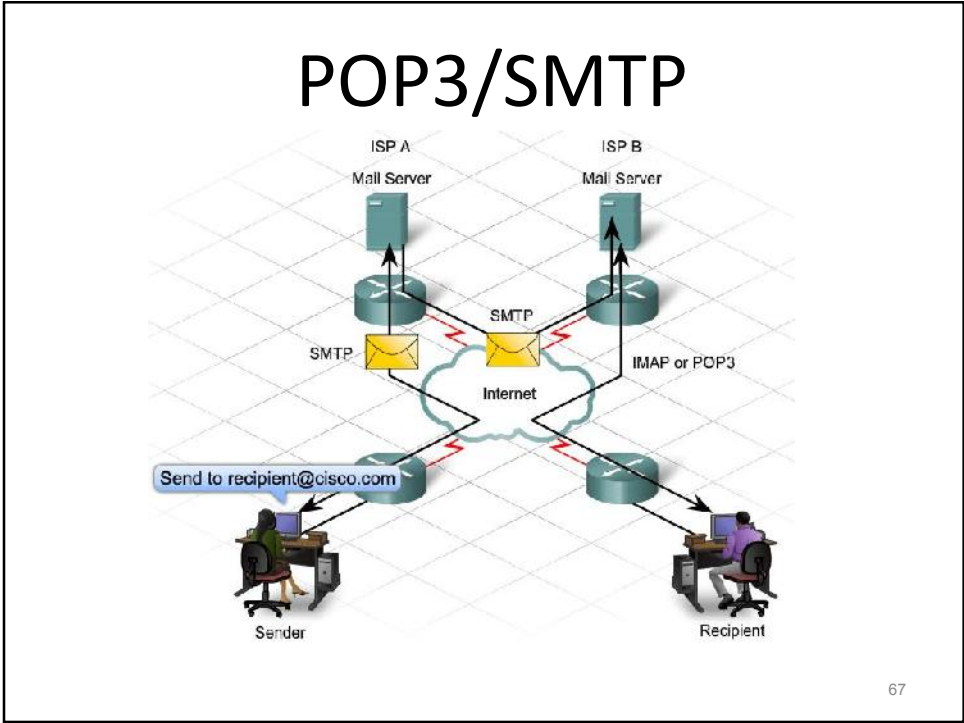
65

But, I don't know my password?

- Nobody but you knows it.
- Call your ISP
- Look for the link "Forgot Password".
- Call your ISP to reset it.

How can they send me a password if can open my Email. They will send you a link to reset it to an alternate email address (wife, friend).

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How Email Works

- SMTP - distributes mail between mail servers
- POP - used to download mail to your computer
- IMAP - used to access your mail remotely on a server

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Email Terms

- Draft
- Reply vs. Reply All
- Forward
- Junk/Spam/Nigerian Scam
- Mark Read/unread
- CC – carbon copy
- ~~BCC – blind carbon copy~~
- Attachments

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Nigerian Scam 419 Spanish Prison Scam dates back to the 1588.

Dear Sir,
Confidential Business Proposal
Having consulted with my colleagues and based on the information gathered from the Nigerian Chambers Of Commerce And Industry, I have the privilege to request your assistance to transfer the sum of \$47,500,000.00 (forty seven million, five hundred thousand United States dollars) into your accounts. The above sum resulted from an over-invoiced contract, executed, commissioned and paid for about five years (5) ago by a foreign contractor. This action was however intentional and since then the fund has been in a suspense account at The Central Bank Of Nigeria Apex Bank....



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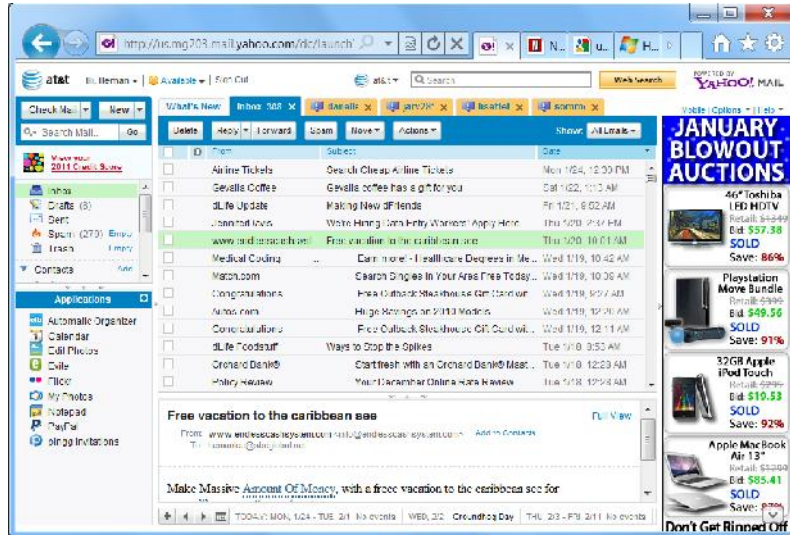
Email Security



- Delete email from anyone you don't know
- Don't open any Email from Nigeria, Romania, Ukraine..
- Mark as Junk or Spam
- Do not open unwanted attachments.
- Beware of official looking email from your banks, IRS or Gov. agency.
- Get Anti-Virus software.

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AT&T Yahoo



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Tips Happy Surfing!

- Cut and Paste URL
- Right-click and select new window.
- F5 will refresh you page.
- Create a new tab.
- Organize your favorites.
- Use Auto-complete.
- Block web site that have too many popups.
- Beware of “Making Money on the Internet” scams.

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E-Commerce

- Shop secure web site or well know sites.
- Research the web site
- Read policy
- Compare prices
- Read customer reviews
- Pay using Paypal
- Look for VeriSign logo

