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Introduction to The Internet



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Introduction

■ Network

- When two or more computer systems are interconnected with each other for sharing data or information or resources



Definition : Internet

- Network of networks
- Global interconnections of computer networks
- Interconnection of computers and computer networks using TCP/IP communication protocol
 - Transport Control Protocol/ Internet Protocol (TCP/IP)
 - What is a protocol?
 - A protocol is a set of rules and regulations defining communication between systems
- It connects
 - Academic
 - Govermental
 - Commerical
 - Organisational
- **....sites in order to share information and resources**

Internet Services

- E-Mail
 - One-to-one
 - One-to-many (e.g. discussion forums)
- Telnet – remote login (e.g. library catalogue access)
- FTP: File transfer (e.g. software packages)
- Web (HTTP): Hypertext linking/navigation
- IRC: Internet Relay Chat
- Internet telephony, mobile access, etc.

Internet Terminology

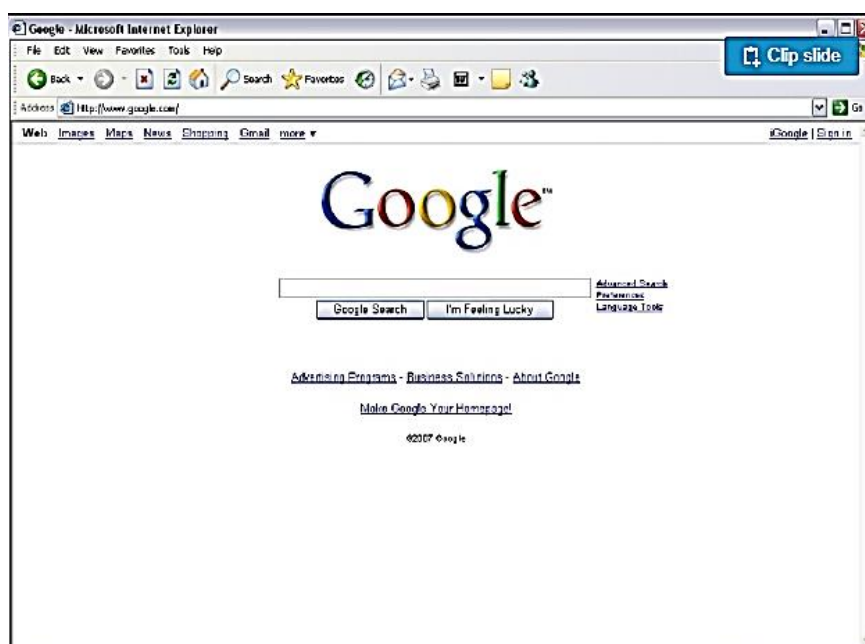
- WWW – (*World Wide Web*)
 - The World Wide Web consists of all the public Web sites connected to the Internet worldwide, including the client devices (such as computers and cell phones) that access Web content.
- Websites
 - A computer connected to the internet that maintains a series of web pages on the World Wide Web
- Server
 - A computer that stores data and information and provides these files to be read, are called Server
- Web Browser
 - A software application used to locate, retrieve and also display content on the World Wide Web, including Web pages, images, video and other files.
- Client
 - A client is a computer application, such as a web browser, that runs on a user's local computer or workstation and connects to a server as necessary.

Client - Server Architecture



Searching the Web

- Search Engines
 - Yahoo
 - Google
 - Ask.com



<http://www.google.com>

Try searching for information on various topics.