

Course Code : **CS-612**
Course Title : **PC Software and Application Skills**
Assignment Number : **BCA(2)-612/Project/07**

Question 1: Give detailed information on the topic “Web Browsers” by browsing the Internet. List the browsed URLs and the information associated with them.

Ans: Web browser is a software application that enables a user to display and interact with text, images, and other information typically located on a web page at a website on the World Wide Web or a local area network. Text and images on a web page can contain hyperlinks to other web pages at the same or different website. Web browsers allow a user to quickly and easily access information provided on many web pages at many websites by traversing these links. Some of the web browsers available for personal computers include Internet Explorer, Netscape. browsers are typically used to access the World Wide Web, they can also be used to access information provided by web servers

Internet Explorer

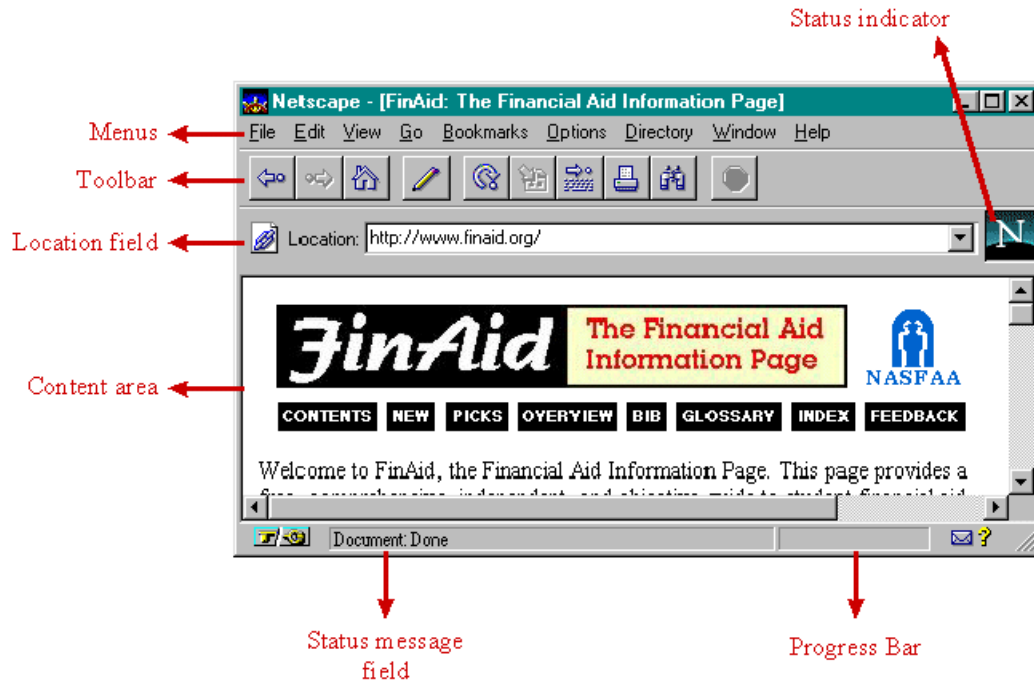
Often abbreviated as IE, Microsoft's Web browser. Internet Explorer enables you to view Web pages. It supports Java and JavaScript. Internet Explorer also supports ActiveX. Internet Explorer has been developed by Microsoft Corporation, Redmond park, Washington, USA.

It contains the following menus. They are File Edit, View, Go, Favourites, Tools and Help.

Netscape Navigator is a World Wide Web (WWW) browser. WWW browsers are used to view HyperText Markup Language (HTML) documents. These documents can exist on the computer in front of you, or on other computers throughout the world. Netscape Navigator (or Netscape for short) is a graphical web browser which enables a user to fully experience the hypertext, photographs, sound, video, etc. that are available on the World Wide Web.

Netscape utilizes "point-and-click" technology to select hypertext links and drop-down menus and toolbar buttons to navigate and access resources on the Internet.

Netscape was developed in early 1993 by Marc Andreessen and a team of students and staff at the National Center for Supercomputing Applications (NCSA).



NCSA MOSAIC

Mosaic is a World Wide Web browser that has been developed at the National Center for Super Computing Application on the campus of the University of the Illinois in Urbane Champaign. NCSA Mosaic is an Internet navigation and data retrieval tool. It makes access to network information as easy as clicking a mouse button. These services provide search capabilities in database environment. NCSA Mosaic is designed to operate under the following Microsoft Windows environments: Windows 3.1x, Windows for Workgroup 3.1x, Windows 95 and Windows NT3.5x.

Browsed URLs

http://en.wikipedia.org/wiki/Web_browser

<http://www.phdsystems.com/tutorials/internet/netscape/sld02.html>

Question 2: Perform the following tasks using MS-EXCEL:

FUEL ESTIMATES COMPUTATIONS: This project is to compute the fuel needed for two types of airplanes, and the cost of the fuel. You must

do all computations using formula, and do a chart. Use Page Setup to make the left margin 0.5 and the right margin 0.5 also. Put your name in the Title line, after "Fuel Estimates".

Note the following:

- **Col. D - H:** You must enter correct formulas under Columns D through H (*Flying Fuel, Reserve Fuel, Holding Fuel, Total Fuel Needed and Estimated Fuel Cost*)!! Read and compute *carefully!*
- **Cells C12, C13, C14, H13 or H14:** When you use these cells in a formula, you must make them absolute cell references (F4 key after your type the cell reference, or enter the \$ sign manually)
- **Graph/Chart:** Select cells A3:B8 (Plane and Flight). Hold down the "Control" key and select D3:D8. Hold down the "Control" key and select G3:G8. Create a chart (Insert-Chart, Finish) and position it in a pleasing way under the data for the flight. Print it on one sheet, in landscape mode.
- **Print again, but with Formulae:** There are two ways to show formulas:
1) Enter Control+` (the key with the ~ at the top left)
or 2) Tools-Options, and under "Window Options" put a check mark beside "Formulas", then close the window.

Q 3 (a): What is the remainder left after dividing :-

$$1! + 2! + 3! + 4! + \dots + 100! \text{ By } 7?$$

A :
$$\frac{1! + 2! + 3! + 4! + \dots + 100!}{7}$$

$$\Rightarrow \frac{1! + 2! + 3! + 4! + 5! + 6!}{7} + \frac{7! + 8! + \dots + 100!}{7}$$

$$\Rightarrow \frac{1! + 2! + 3! + 4! + 5! + 6!}{7} + \text{(an integer which will have no remainder as 7 is included in each factorial)}$$

$$\Rightarrow \frac{873}{7}$$

$$\begin{array}{r} 7 \overline{)873} \quad (124 \\ \underline{7} \\ 17 \\ \underline{14} \\ 33 \\ \underline{28} \\ 5 \end{array}$$

b) Open e-mail account with any email service provider website, and show different components of e-mail.