

Introducing Multimedia

Multimedia is a technology which presents the simple text information in an innovative way. It is a combination of audio, video, text and animation. Using multimedia you can represent information through audio, video and animation. You can develop your own graphics in animated forms. You can also create two-dimension and three-dimension graphics with various integrated effects.

Multimedia contributes many places in our life

Home

At home multimedia offers number of games and reference products, such as encyclopedias.

Office

At office multimedia helps to develop interactive presentations.

School

At school multimedia helps to learn various subjects, such as physics in animated form. Multimedia makes e-learning very popular. It creates a virtual environment that helps the student to understand typical topic easily.

Entertainment

Cartoon movies are the best example of animation. With the help of multimedia you can listen to music and watch movie on your computer.

Introduction to HTML

HTML (Hyper Text Markup Language) language is developed by Tim Burner-Lee at CERN (Consiel European pour la Research Nuclear) to enable the researchers to share their research papers with the help of the Internet. Generally all the browsers are supporting HTML but basically the HTML was used by Mosaic Browser. The HTML 1.0 is the first version of HTML. W3C (World Wide Web) is the organization which did not specify the first version of HTML. This organization maintains the language and keeps involving for development of HTML. Latest version of HTML is HTML 4.01 which is in general use and is the sub version of HTML4.0. The errors which are occurring in HTML4.0 have been fixed in this version.

The whole HTML document comes under the <html>tag which is used as a container. The entire content of the HTML page comes under the opening and closing of the <html>tags. This <html>tag indicates the browser this is the starting of the document and the closing </html>tag indicates that it's the ending of an HTML document. Syntax of HTML document:

```
<html>
```

```
.....
```

```
Contents mentioned in the page
```

```
.....
```

```
</html>
```

For the Heading of the HTML document the tag which is used is <head>tag. The information contains some certain headings regarding document that comes under this. There are only few tags which are valid under the heading section. These are the following:

<link>tag: Defines reference for the resource.

<base>tag:- Defines a base URL (Uniform Resource Locator) for all the links present on a page

<meta>tag:- Defines the Meta- Information such as keyword and descriptions for search engines and refresh rates about the page.

<script>tag:-The HTML page uses the script defined by this tag.

<style>tag:- Defines the internal style sheet for the HTML page.

The contents of the HTML document are described under the <body>tag. The contents of a web page whatever a re they defined between the opening and closing of the <body>tag, it may be a text, audio, video and images all comes under this tag.



Web Page

For accessing any information on the Internet, the system WWW (World Wide Web) is used. It's one of the graphical parts of the internet. The WWW consists of files or Web pages that contain information and links to resources throughout the Internet.



You can surf or browse the Web in several ways:

- ❖ Any of the Web pages can be opened by typing its address in the address box of your Web browsing software.
- ❖ While viewing a Web page, you can browse or surf to the related sites by clicking the links on the page.
- ❖ Toolbar buttons can also be used to move between Web pages, refresh Web page's contents or search the Internet.



Introduction to Microsoft Internet Explorer

IE (Internet Explorer) is one of the most popular Internet browser that was developed by Microsoft. The first version of IE was IE1 that was launched in 1995. Microsoft continually works on the enhancement of IE. Currently Microsoft is working on IE 9. The IE 8 is the latest version of IE. The IE2, IE3, IE4, IE5, IE6 and IE 7 are the older version of IE. For performing various tasks on the Internet you can use the explorer toolbar.



The following list shows the description of each button:

- ❖ **Back** : Moves to a previously viewed page.
- ❖ **Forward** : Moves to next Web page.
- ❖ **Stop** : Stops the execution of a Web page.
- ❖ **Refresh** : Updates the currently displayed Web page.
- ❖ **Home**: Jumps to your home page.
- ❖ **Search** : Opens a Web page that lists the available search engines.
- ❖ **Favorites** : Displays a list of Web pages you have designated as your favourites.
- ❖ **History** : Displays a list of recently visited sites.
- ❖ **Channels** : Displays a list of channels you can select.
- ❖ **Full Screen**: Uses a smaller standard toolbar and hides the address bar so that more of the screen can be visible.
- ❖ **Mail**: Opens outlook Express or the Internet News.
- ❖ **Print**: Is used to print a Web page.

Commonly Asked QUESTIONS



HTML is a markup language that is used for developing website. HTML is developed by.....

- (A) W3C
- (B) Tim Berner-Lee
- (C) Dennis Ritchie
- (D) Microsoft
- (E) None of these

Answer: (b)

Explanation

Correct Option:

(B) HTML language is developed by Tim Berner-Lee at Consiel European pour la Research Nuclear (CERN) to enable the researchers to share their research papers with the help of Internet.

Incorrect Options:

Therefore, option (B) is correct and rest of the options is incorrect.



Generally all the browsers are supporting HTML but basically the HTML is used by.....

- (A) Mosaic Browser
- (B) Internet Explorer
- (C) Mozilla
- (D) Safari
- (E) None of these

Answer: (a)

Explanation

Correct Option:

(A) Generally all the browsers are supporting HTML but basically the HTML is used by Mosaic Browser.

Incorrect Options:

Therefore, option (A) is correct and rest of the options is incorrect.



Which of the following statements is/are true?

- (A) WWW is used for accessing any information on the Internet
- (B) Newsgroups and E-mails are not a part of the Web
- (C) With the help of hyperlinks the Web links one Internet site to another
- (D) All of these
- (E) None of these

Answer: (d)

Explanation

Correct Option:

(A) All of the options are correct.

Incorrect Options:

Therefore, option (A) is correct and rest of the options is incorrect.



E-mail

Email (Electronic mail) is a digital correspondence that provides the facility to send and receive text messages, picture files and any other file to and from anyone with an e-mail address. E-mail is fast, easy and inexpensive. Email is a formal conversation. It should be point to point and well written.

In current market there are many service providers who provide free e-mail services on the Internet, such as www.gmail.com, www.yahoo.com, www.hotmail.com and www.msn.com. The first part of the email address is a user name. The second part or domain name defines the Internet provider where the mail is sent. The two parts are separated by '@' sign (pronounced as "at the rate"). The domain name is followed by an extension that indicates the type of organization to which the network belongs.



The following is an example of an email address:

Steve@gmail.com

To send mail:

- ❖ Start your e-mail program and click the Compose New message option. Depending on your e-mail program, the name of this button may vary.
- ❖ In the 'To' text box, type the address of the recipient or click on a name in the address book.
- ❖ Type a short description of your e-mail on the subject line.
- ❖ Click the message area and type your message.
- ❖ Click Send to send the message.



Hypertext Transfer Protocol (HTTP)

HTTP is the most important protocol used in WWW. It is a protocol that allows transferring the information on the World Wide Web between clients and servers. The main purpose of the HTTP is publishing and retrieving of the Web pages. The latest version of HTTP is HTTP/1.1. The original version of HTTP is HTTP 1.0. The main feature of HTTP 1.0 is that it uses a separate connection to the same server for every document.



Web Servers

A web server is a computer application that delivers web pages using HTTP over the World Wide Web. Basically it is responsible for accepting HTTP requests from clients or web browser. It also processes the requests send by the client and then sends the HTTP response back to the client.



Hyperlink

Hyperlink allows linking another place in the same document or another document. It also allows to link with the World Wide Web. A user just needs to click on hyperlink to go for relevant destination.

Hypertext

Hypertext is a kind of text that contains the reference of other text that exists in the same or other electronic document or the World Wide Web. A reader can immediately access the relevant information by just clicking or pressing the key on hypertext.

Working with the CD-Player

Now a day CD players are easily available in number of varieties and users are more confused about it. A CD player which you have opted for, contains basically three main features- a tracking device, derive motor, laser and a lens system. Basically derive motor needs pace not more than 200 rpm, but some time it needs approx 500 rpm also. Whereas the tracking device adjust the laser assembly and thus makes it possible for laser and lens system to work in a proper manner for the data which is stored on the CD (Compact Disk).

You Must KNOW

- ❖ Web Page is one of the graphical parts of the internet.
- ❖ HTTP is the most important protocol used in WWW.
- ❖ Hyperlink allows linking another place in the same document or another document.
- ❖ Web Server: Is a computer application that delivers web pages using HTTP over the World Wide Web.
- ❖ Hypertext: Is a kind of text that contains the reference of other text that exists in the same or other electronic document or World Wide Web.
- ❖ Multimedia is a technology which presents the simple text information in an innovative way.
- ❖ HTTP is a protocol that allows transferring the information on the World Wide Web between clients and servers.

SUMMARY



- ❖ A reader can immediately access the relevant information by just clicking or pressing the key on hypertext.
- ❖ Email (Electronic mail) is a digital correspondence that provides the facility to send and receive text messages, picture files and any other file to and from anyone with an email address.

Abbreviations

| | | |
|------|---|---|
| HTTP | - | Hypertext Transfer Protocol |
| WWW | - | World Wide Web |
| CERN | - | Consiel European pour la Research Nuclear |



Search engine allows searching any information on the World Wide Web. Which one of the following is not a search engine?

- (A) Excite
- (B) Snap
- (C) Info seek
- (D) All of these
- (E) None of these



HTTP is a protocol that allows transferring the information on the World Wide Web between clients and servers. It also.....

- (A) Processes the requests that are sent by the client
- (B) Publishes and retrieves the Web pages
- (C) Allows linking another place in the same document
- (D) All of these
- (E) None of these



kumar@hotmail.com is an example of email address. Which one of the following is the name of Internet service provider in the given email address?

- (A) kumar
- (B) .corn
- (C) hotmail
- (D) All of these
- (E) None of these



W3C maintains the language and keeps involving it in proper direction. Which one of the following is the first version of the HTML?

- (A) HTML 4.01
- (B) HTML 1.0
- (C) HTML 0.5
- (D) HTML 4.0
- (E) None of these



The whole HTML document comes under the <html> tag which is used as a container. Which of the following tags are valid under <head> tags?

- (A) <base>
- (B) <link>
- (C) <meta>
- (D) All of these
- (E) None of these



Which one of the following organizations maintains the HTML language and keeps involving it in proper direction?

- (A) Microsoft
- (B) Google
- (C) HCL
- (D) W3C
- (E) None of these



Internet Explorer is a web browser that helps to open a Web page. Which one of the following is the latest version of Internet Explorer?

- (A) Internet Explorer 9
- (B) Internet Explorer 8
- (C) Internet Explorer 7
- (D) Internet Explorer 1
- (E) None of these



Which one of the following buttons allows updating the currently displayed Web page on the Internet Explorer?

- (A) Favorites
- (B) Home
- (C) Refresh
- (D) All of these
- (E) None of these



Which one of the following buttons is used to display a list of recently visited sites?

- (A) Favorites
- (B) Home
- (C) Refresh
- (D) History
- (E) None of these



The latest version of HTTP protocol is

- (A) HTTP/1.1
 - (B) HTTP/1.2
 - (C) HTTP/1.0
 - (D) HTTP/2.1
 - (E) None of these
-

Explanation for Selected Questions

1. Correct Option:

(E) Excite, Snap and Info seek all are search engines.

Incorrect Options:

Therefore, option (E) is correct and rest of the options is incorrect.

2. Correct Option:

(B) The main purpose of the HTTP is publishing and retrieving of the Web pages.

Incorrect Options:

Therefore, option (B) is correct and rest of the options is incorrect.

3. Correct Option:

(C) Hotmail is the name of service provider

Incorrect Options:

(A) kumar is a user id.

(B) corn is a domain name

4. Correct Option:

(B) The HTML 1.0 is the first version of HTML

Incorrect Options:

(A) The HTML 4.01 is the latest version of HTML. Therefore, option (B) is correct and rest of the options is incorrect.

5. Correct Option:

(D) The <base>, <link>, and <meta> tags are valid under <head> tag

Incorrect Options:

Therefore, option (D) is correct and rest of the options is incorrect.

6. Correct Option:

(D) World Wide Web (WC3) is the organization which maintains the language and keeps involving it in proper direction

Incorrect Options:

Therefore, option (D) is correct and rest of the options is incorrect.

7. Correct Option:

(B) The IE 8 is the latest version of IE.

Incorrect Options:

(A) The IE 9 is under development.

(C) The IE 7 is launched before IE8.

(D) The IE 1 is the oldest version of IE.

8. Correct Option:

(C) The Refresh buttons allows updating the currently displayed Web page on the Internet Explorer.

Incorrect Options:

Therefore, option (C) is correct and rest of the options is incorrect.

9. Correct Option:

(D) When click on the History button it displays a list of recently visited sites.

Incorrect Options:

(A) When click on the Favorite button it displays a list of Web pages you have designated as your favorites.

(B) When click on the Home button it jumps to your home page.

(C) The Refresh buttons allows updating the currently displayed Web page on the Internet Explorer.

10. Correct Option:

(C) The latest version of HTTP protocol is HTTP 1.1.

Incorrect Options:

Therefore, option (C) is correct and rest of the options is incorrect.

Answers

1. E 2. B 3. C 4. B 5. D 6. D 7. B 8. C 9. D 10. A