

8th October 2022

Creating and using Hyperlinks

A hyperlink is used to navigate to *some website, open an image, open a document* or *reach to some position in a web page* called as **bookmark**.

Use **anchor tag** `<a>` tag to create and use the hyperlinks

The `<a>` is used to create the **hyperlinks** as well as **anchors**.

How to create a hyperlink?

- Use the attributes of `<a>` tag
- `href="hyper reference"`
- `title="title on the hyperlink"`
- `target="_blank"` // to open in new tab

Example

Create hyperlinks for the popular websites Gmail, Yahoo, GSL Foundation, RD Engineering College

```
<a href="https://www.gmail.com" title="Check your emails with Gmail">Open  
Gmail</a>
```

```
<a href="https://www.yahoo.com" title="Open yahoo!">Yahoo!</a>
```

```
<a href="http://www.gurushishya.live" title="Visit GSL Foundation">Guru Shishya  
Live</a>
```

```
<a href="http://www.rdec.in" title="RD Engineering College"  
target="_blank">RDEC</a>
```

Creating an image as hyperlink?

Use `` tag in place text to create the image as hyperlink

```
<a href="http://www.gurushishya.live" title="Visit GSL Foundation"></a>
```

```
<a href="students.jpg"></a>
```

Creating an anchor or bookmark?

We can define some name to some location within the web page called as anchor or bookmark.

Use **name** attribute of anchor tag `<a>` to define the anchor name

```
<a name="top"></a>
```

Creating hyperlink for an anchor?

Use **#** with the anchor name to create the hyperlink to some anchor or bookmark.

```
<a href="#top">Goto Top</a>
```

Example

Create a web page as dictionary.html having some words starting from A to Z.

When we click on A, it should scroll to the words starting with A etc.

```
<a name="top"></a>
A <a href="#b">B</a> <a href="#c">C</a> <a href="#d">D</a> E F G H I J K L M N
O P Q R S T U V W X Y Z
<pre>
Computer Abbreviations List
S. No.   Computer Abbreviation   Full Form
1    AAC Advanced Audio Coding
2    ABR Average Bit Rate
3    ADSL Asymmetric Digital Subscriber Line
4    AGP Advanced Graphics Port
5    AI Artificial Intelligence
6    AIM AOL Instant Messenger
7    ALGOL Algorithmic Language
8    ALU Arithmetic Logic Unit
9    AOL America Online
10   AMD Advanced Micro Devices
11   API Application Program Interface
12   APT Automatically Programmed Tooling
13   ARP Address Resolution Protocol
14   ARPANET Advanced Research Projects Agency Network
15   ARQ Automatic Repeat Request
16   AS Autonomous System
17   ASCII American Standard Code for Information Interchange
18   ASP Active Server Pages
19   ASPI Advanced SCSI Programming Interface
20   ATA Advanced Technology Attachment
21   ATDT Attention Dial Tone
22   AUI Attachment Unit Interface
23   AUTOEXEC Autoexec Automatic Execution file
24   AVI Audio Video Interleave
<a name="b"></a>
25   BASIC Beginner's All-purpose Symbolic Instruction Code
26   BCC Blind Carbon Copy
27   BCD Binary Coded Decimal
28   BCR Bar Code Reader
29   BDSL Broadband DSL
30   BEDO Burst Extended Data Out (RAM)
31   BGP Border Gateway Protocol
32   BHTML Broadcast Hyper Text Markup Language
33   BIOS Basic Input Output System
34   BIPS Billion Instruction Per Second
35   BIU Bus Interface Unit
36   BMP Bitmap
37   BRD Blu-Ray Disc
<a name="c"></a>
38   CC Carbon Copy
```

39 CD Compact Disk
40 CD-R Compact Disk - Recordable
41 CDROM Compact Disk Read Only Memory
42 CDRW Compact Disk Rewritable
43 CD-WO Compact Disk - Write Once
44 CD-XA Compact Disk - Extended Architecture
45 CGI-BIN Common Gateway Interface - Binary (programming for Web forms)
46 CIS CompuServe Information Service
47 CISC Complex Instructions Set Computers
48 CMD Command
49 CMYK Cyan-Magenta-Yellow-Black (color model)
50 CNM Circulatory Network Mode
51 COAX Coaxial Cable (for Ethernet and similar networks)
52 COBOL Common Business Oriented Language
53 COMPUTER Commonly Operated Machine Particularly Used for Trade/Technology, Education, and Research.
54 CPI Clock / Cycle Per Instruction
55 CPU Central Processing Unit
56 CROM Computerized Range of Motion
57 CRT Cathode Ray Tube(standard type computer monitor display
58 CSLIP Compressed Serial Line Interface Protocol (Internet)
59 CSS Cascading Style Sheets
60 CTRL Control (computer keyboard key)
61 CUI Character User Interface
[](#)
62 DAC Data Acquisition and Control
63 DAT Digital Audio Tape
64 dB Decibel
65 DBMS Data Base Management System
66 DDL Data Definition Language
67 DHTML Dynamics Hyper Text Markup Language
68 DML Data Manipulation Language
69 DNS Domain Name System
70 DOC Data Optimizing Computer
71 Doc Document
72 DOS Disk Operating System
73 DRAM Dynamic Random Access Memory
74 DVD Digital Video/Versatile Disc
75 DVDR Digital Versatile Disk Recordable
76 DVDRW Digital Versatile Disk Rewritable
77 DCE Data Communications Equipment
78 DVI Digital Visual Interface
79 DVR Digital Video Recorder
80 E-Commerce Electronic Commerce
81 EDC Electronic Digital Computer
82 EDI Electronic Data Interchange
83 EDP Electronic Data Processing
84 EEPROM Electronically Erasable Programmable Read Only Memory
85 EFS Encrypted File System
86 EIDE Enhanced Integrated Drive Electronics
87 E-Mail Electronic Mail
88 EPROM Erasable Programmable Read Only Memory

89 EROM Erasable Read Only Memory
90 FDD Floppy Disk Drive
91 GB Giga Byte
92 GDI Graphical Device Interface
93 GUI Graphical User Interface
94 HD Hard Disk
95 HTML Hyper Text Markup Language
96 HTTP Hyper Text Transfer Protocol
97 I/O Input/Output (serial and parallel ports)
98 IC Integrated Circuit
99 IMAP Internet Message Access Protocol
100 INTEL Integrated Electronics
101 IOP Input Output Processor
102 IP Internet Protocol
103 ISDN Integrated Services Digital Network
104 ISP Internet Service Provider
105 IVR Interactive Voice Response
106 KB KILOBYTE
107 Kbps Kilobits/Kilobytes Per Second
108 LAN Local Area Network
109 LED Light Emitting Diode
110 LLL Low Level Language
111 LPT Line Printer
112 MAC Media Access Control
113 MAN Metropolitan Area Network
114 MB Motherboard/ Megabyte
115 MBASIC Microsoft BASIC (Microsoft)
116 MBPS Megabytes Per Second
117 Mbps Megabits Per Second
118 MICR Magnetic Ink Character Recognition
119 MMX Multimedia Extensions
120 MODEM Modulator Demodulator
121 MSCDEX Microsoft Compact Disc Extension
122 MS-DOS Microsoft - Disk Operating System
123 NAT Network Address Translation
124 NTP Network Time Protocol
125 OCR Optical Character Reader
126 OMR Optical Mark Reader
127 OOP Object Oriented Programming
128 OS Operating System
129 P2P Point to Point Protocol
130 PAN Personal Area Network
131 PC Personal Computer
132 PCB Printer Circuit Board
133 PCI Peripheral Component Interconnect
134 PHP Hypertext Preprocessor
135 PIXEL Picture Element
136 PNG Portable Network Graphics
137 PPP Point to Point Protocol
138 PRN Printer
139 PROM Programmable Read Only Memory
140 RAM Random Access Memory

141 RARP Reverse Address Resolution Protocol
142 RDBMS Relational Data Base Management System
143 RIP Routing Information Protocol
144 RISC Reduced Instruction Set Computer
145 ROM Read Only Memory
146 SAM Software Asset Management
147 SAN Storage Area Network
148 SCSI Small Computer System Interface
149 SDRAM Synchronous Dynamic Random Access Memory
150 SFTP Secure File Transfer Protocol
151 SGML Standard Generalized Markup Language
152 SGRAM Synchronous Graphics RAM
153 SIP Session Initiation Protocol
154 SIU Serial Interface Unit
155 SMTP Simple Mail Transfer Protocol
156 SNAP Sub Network Access Protocol
157 SNMP Simple Network Management Protocol
158 SRAM Static Random Access Memory
159 SYSOP System Operator
160 TCP Transmission Control Protocol
161 UI User Interface
162 URL Uniform Resource Locator
163 USB Universal Serial Bus
164 VCD Video Compact Disk
165 VDU Visual Display Unit
166 VIRUS Vital Information Resource Under Siege
167 VRAM Video Random Access Memory
169 VxD Virtual Extended Driver
170 WAN Wide Area Network
171 WAP Wireless Application Protocol
172 WBMP Wireless Bitmap Image
173 WIFI Wireless fidelity
174 WLAN Wireless Local Area Network
175 WML Wireless Markup Language
176 WWW World Wide Web
178 XGA Extended Graphics Array
179 XHTML Extensible Hyper Text Markup Language
180 XMF Extensible Music File
181 XML Extensible Markup Language
182 XMS Extended Memory Specification
183 FORTRAN Formula Translation

```
<a href="#top">Goto Top</a>
</pre>
```

How to create an email as hyperlink?

For emails use **mailto** protocol to an email as hyperlink

`Email Me`

Creating Ordered List using `` tag

- Use `` tag as sub tag of `` tag to define the list items
- Use type attribute to define the type of list
 - `type="a | A | 1 | I | i"`
 - `start="n"`

Creating Unordered List using `` tag

- Use `` tag as sub tag of `` tag to define the list items
- Use type attribute to define the type of list
 - `type="disc | circle | square"`

```
<ol type="I" start="6">
  <li>Programming for Problem Solving</li>
  <li>Database Management System</li>
  <li>PHP Programming</li>
</ol>
<ul type="disc">
  <li>Programming for Problem Solving</li>
  <li>Database Management System</li>
  <li>PHP Programming</li>
</ul>
```