

HOW do you ...

Design a Website using HTML

Vimal Kumar Varun



Scientist 'E'

Department of Scientific & Industrial Research

Ministry of Science & Technology

Technology Bhawan, New Delhi-110016

URL: <http://www.dsir.gov.in> ◆ **mailto:** vk@nic.in

Phone: 26510949, 26590282 ◆ **Fax:** +91-11-26960629

Residence: 113 Vigyan Sadan, Sector-10 RK Puram,

New Delhi-110022 ◆ **Phone:** 26170420

URL: <http://vk.tripod.com> ◆ **mailto:** vk@usa.com

I will be sharing with you!

- **Historical Development**
 - **Website Contents**
 - **Tags**
 - **Color Codes**
 - **Some Useful Tips**
 - **Some Examples**
- **Tags**
 - **Document**
 - **Physical**
 - **Block**
 - **Links**
 - **Lists**
 - **Table**

Historical Development ...

- **Hypertext word invented by Vanneavar Bush, MIT in 1945: Memex System**

<http://www.isg.sfu.ca/~duchier/misc/vbush>

- **Originated by Ted Nelson, Brown University in 1965: Xanadu Project**

<http://xanadu.net>

- **Andries Van Dam, Brown University developed the first HyperText Editing System.**

http://www.cs.brown.edu/people/avd/long_cv.html

History of Hypertext and the Web

<http://www.boraski.com/www/hypertext.html>

<http://www.w3.org/MarkUp/#historical>

Historical Development ...

- **Andren Lipman, MIT developed the first hyper-media application in 1978.**
- **GML was devised by Charles Goldfarb, Edward Mosher and Raymond Lorie at IBM in 1960.**
- **1985: SGML was first published and adopted as standard by ISO as ISO 8879:1986. It uses Document Type Declaration Tags (DTD Tags).**
- **Tim Berners Lee, author of WWW at CERN developed a simple browser and editor in late 80s and early 90s. A modified version of SGML called HTML was used on the web and early form of HTTP was initiated.**

Historical Development ...

- **July 1994: CERN in collaboration and MIT has setup a consortium called W3C; HMTL 1.0 specifications later on superseded by HTML 2.0**
- **March 1995: HTML 3.0 Specifications was launched.**
- **May 1996: W3C released HTML 3.2 Standard**
- **December 1997: HMTL 4.0 was released by W3C.**
- **1991: A simple command line browser ‘WWW’ was released.**
- **Few months after in 1991, the first GUI of WWW called VIOLA, written by PeiWei at Univ of California, Berkeley was launched.**

Historical Development

- **NCSA developed a non commercial software MOSAIC with computer science students of Univ of Illinois in Champaign, Illinois.**
- **1994: Marc Anderson with six other developers of MOSAIC left NCSA and form 'MOSAIC Communication Corporation' which could later become Netscape Communications**
- **Fall 1994: First Netscape was launched and it featured continuous document streaming; Subsequent versions added new tags and features like tables, frames, Java and so on.**
- **Internet Explorer developed by MicroSoft and bundled with Windows 9X or later OS.**

Website Contents

- **Home / Web Pages**
- **Last Updated Info**
- **Counter**
- **Guest Book**
- **What's New**
- **Statistics**
- **Disclaimer**
- **Copyright**

A Sample Page

<HTML>

<HEAD>

<TITLE>My First Web Page</TITLE>

</HEAD>

<BODY BGCOLOR="WHITE"

BACKGROUND="SCENCE.GIF" TEXT="BLACK"

LINK="BLUE" ALINK="RED" VLINK="GREEN">

Welcome to my First Web Page

....

....

</BODY>

</HTML>

[Click Here to See More...](#)

Physical Tags ...

- **BOLD** `...`
- **ITALICS** `<I>...</I>`
- **UNDERLINE** `<U>...</U>`
- **STRIKE THROUGH** `<S>...</S>`
- **BIG** `<BIG>...</BIG>`
- **SMALL** `<SMALL>...</SMALL>`
- **SUPERSCRIPT** `^{...}`
- **SUBSCRIPT** `_{...}`
- **BLINK** `<BLINK>...</BLINK>`

Physical Tags

- **HEADER 1** **<H1>...</H1>**
- **HEADER 2** **<H2>...</H2>**
- **HEADER 3** **<H3>...</H3>**
- **HEADER 4** **<H4>...</H4>**
- **HEADER 5** **<H5>...</H5>**
- **HEADER 6** **<H6>...</H6>**
- **FONT** **...**

Attributes: SIZE, COLOR, FACE

[Click Here to See More...](#)

Block Tags ...

- **PARAGRAPH** **<P>...</P>**
 Attribute: ALIGN
- **BREAK** **
**
- **NO BREAK** **<NOBR>**
- **CENTER** **<CENTER>...<CENTER>**
- **RIGHT** **<RIGHT>...<RIGHT>**
- **PRE FORMATTING** **<PRE>...>/PRE>**
- **BLOCKQUOTE**
 <BLOCKQUOTE>...</BLOCKQUOTE>

Block Tags

- **ADDRESS**
<ADDRESS>...</ADDRESS>
- **Comment Tag** **<!.....>**
- **Horizontal Rule** **<HR>**
Attributes: SIZE, WIDTH

[Click Here to See More...](#)

Link Tags ...

Hyperlinks to a document, image, audio, video ...

Attributes: ALT, WIDTH, HEIGHT, BORDER, START

- **Insert a Link**

`VKVarun`

- **Insert an Image**

`My Photograph`

- **Insert an Audio**

`Song`

- **Insert a Video**

`Movie`

Link Tags

- **Insert an Anchor**

`Introduction`

`Conclusion`

`Introduction ...`

`Conclusion ...`

- **Link to an email**

`send an email`

- **Link to ftp a file**

`Download`

[Click Here to See More...](#)

List Tags

- **Ordered List** `...`
Attribute: TYPE Options: A, I, a, I
`Item`
- **Un-Ordered List** `...`
Attribute: TYPE Options: square, circle
`Item`
- **Nested List: Combination of the above**
- **Descriptive Title and Description** `<DL>...</DL>`
Attributes: DT for Descriptive Title `<DT>...</DT>`
DD for Descriptive Definition `<DD>...</DD>`

[Click Here to See More...](#)



Ordered List

1. Introduction
2. Tags
3. Color Codes

- A. Introduction
- B. Tags
- C. Color Codes

Un-Ordered List

- Introduction
- Tags
- Color Codes

- Introduction
- Tags
- Color Codes

Nested List

1. Introduction
2. Tags
 - Document
 - Physical
3. Color

Descriptive Title & Description

What is Internet?

A Network of Networks

Applications: WWW, telnet, ftp...

[Click Here to See More...](#)

Table Tags ...

- **TABLE** **<TABLE>...</TABLE>**
Attributes: BORDER, WIDTH, CELL PADDING, CELLSPACING
- **CAPTION** **< CAPTION>...</ CAPTION>**
- **TABLE HEADER** **<TH>...**
- **TABLE DATA** **<TD>...**
Attributes: COLSPAN, ROWSPAN
- **RECORD** **<TR>**

[Click Here to See More...](#)

Table Tags ...

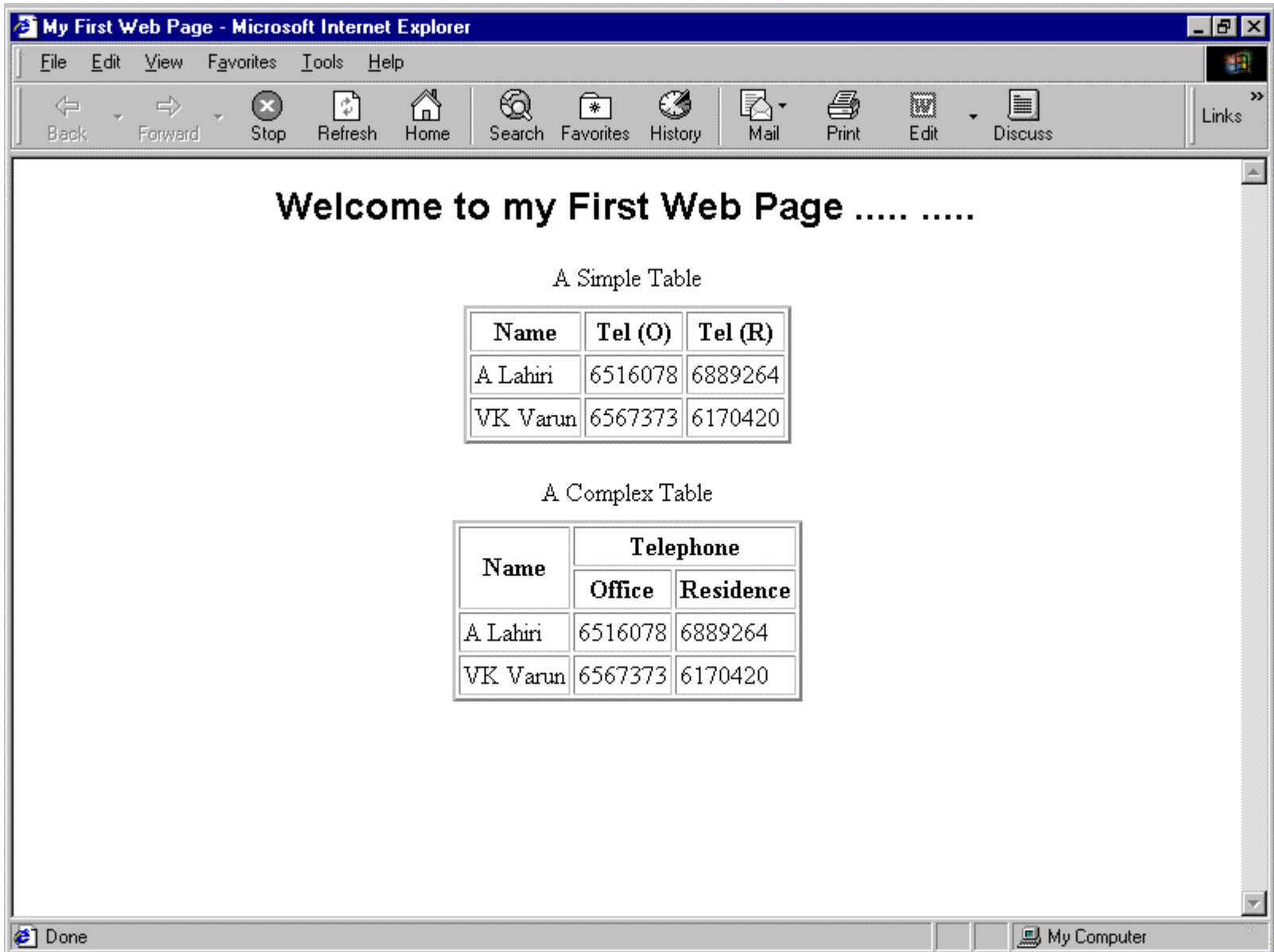
Simple Table

```
<TABLE BORDER=2 CELLPADDING=2>  
<caption>A Simple Table</caption>  
<TR><TH>Name<TH>Tel (O)<TH>Tel (R)</TR>  
<TR><TD>A Lahiri<TD>6516078<TD>6889264</TR>  
<TR><TD>VK Varun<TD>6567373<TD>6170420</TR>  
</TABLE>
```

Table Tags

Complex Table

```
<TABLE BORDER=2 CELLPADDING=2>  
<caption>A Complex Table</caption>  
<TR><TH rowspan=2>Name<TH colspan=2>Telephone</TR>  
<TR><TH>Office<TH>Residence</TR>  
<TR><TD>A Lahiri<TD>6516078<TD>6889264</TR>  
<TR><TD>VK Varun<TD>6567373<TD>6170420</TR>  
</TABLE>
```



[Click Here to See More...](#)

© Vimal Kumar Varun, 1997-2007

Color Codes

- **6 Digit Hex Code** **alphanumeric**
- **XXXXXX** **RRGGBB**
- **Hexa Decimal** **0-9, A-F**
- **Brightest Color** **FF**
- **Darkest Color** **00**
- **Red** **FF0000**
- **Green** **00FF00**
- **Blue** **0000FF**
- **White** **FFFFFF**
- **Black** **000000**

[Click Here to See More...](#)

Some Useful Tips

- **HTML is a plain text file embedded with HTML Tags and has an extension *.htm* or *.html***
- **Never overlap tags; Always use them in the opposite order.**
- **Don't mix cases within a tag; either use l/c or u/c.**
- **Only two consecutive spaces are interpreted.**
- **Ignore tabs and carriage returns.**
- **Use appropriate colors for text, link, background color and images.**

Thank You

Please Contact Me at

vkv@usa.com

for any doubts or clarifications