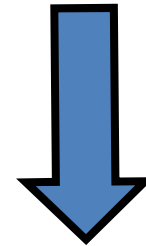


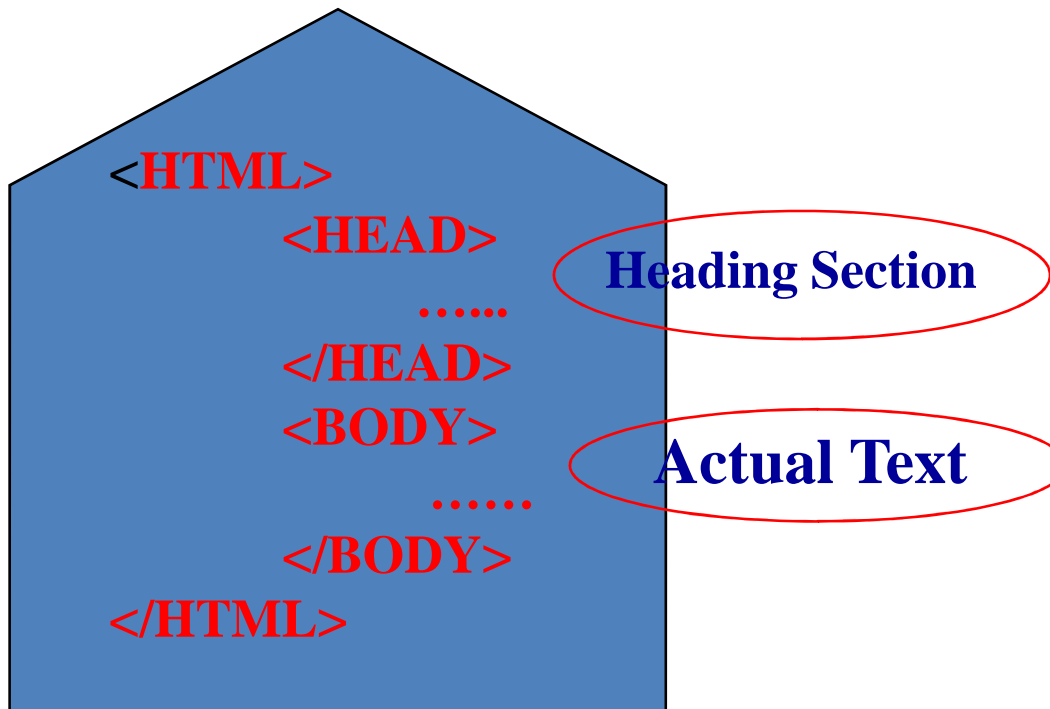
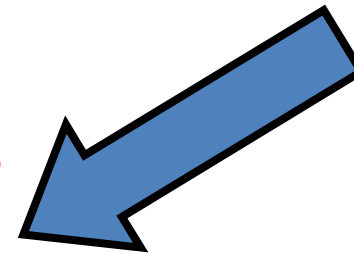
# Evolution of HTML

**Markup Language** -it refers to the tags which specify how to incorporate text, graphics, sound and the visual elements

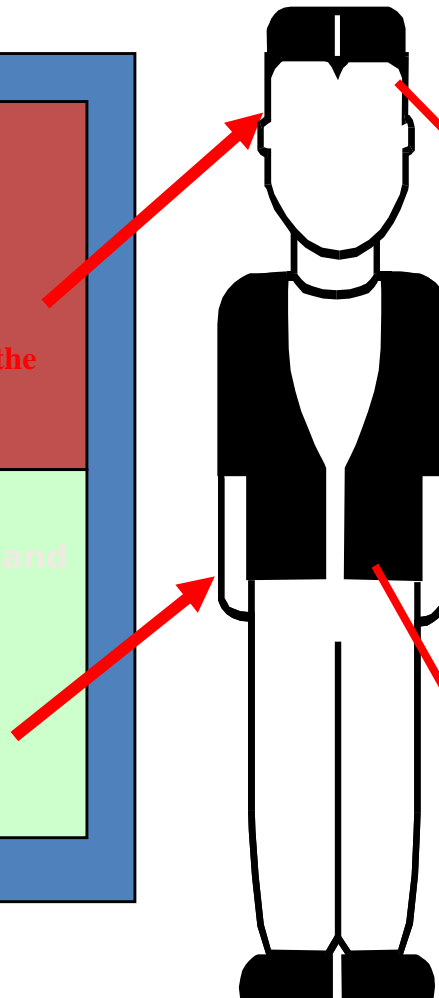
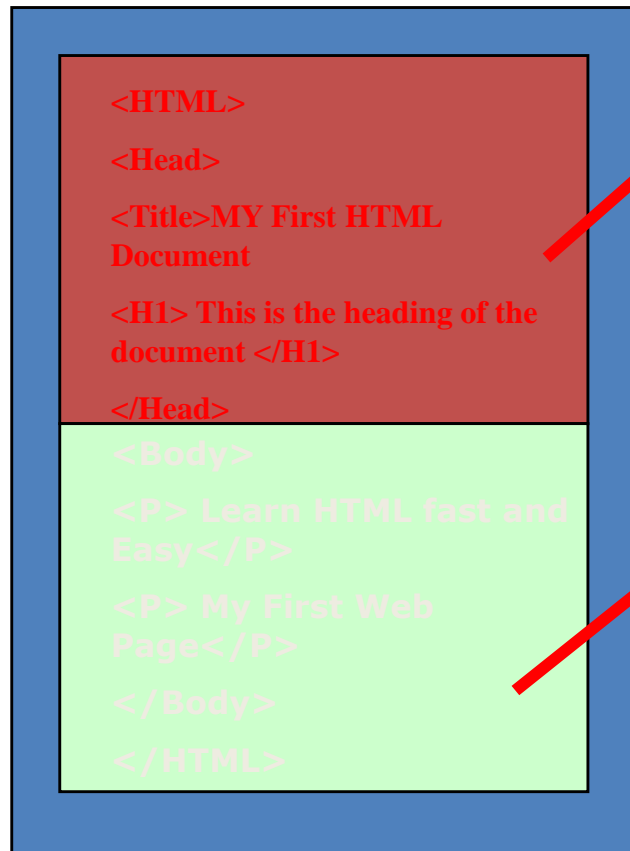
**SGML**



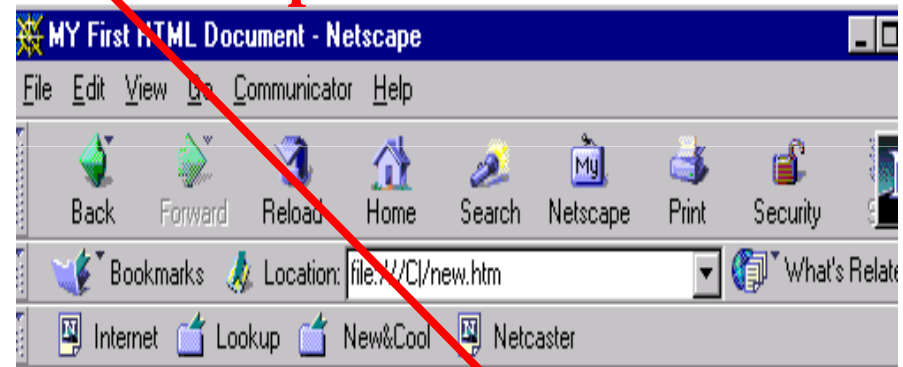
**HTML**



# HTML Document



## Output in Browser



**This is the heading of the document**

Learn HTML fast and Easy

My First Web Page

# Sample HTML

<TITLE>....<TITLE> Tag

<BODY>.....</BODY> Tag

```
<HTML>
<HEAD>
  <TITLE>LOOK OF AN HTML
    DOCUMENT</TITLE>
</HEAD>
<BODY>
  "Welcome to the
  World of HTML"
</BODY>
</HTML>
```



# HTML Tags

## Headline Tags

### Example

**<HTML>**

**<HEAD>**

**<H1> This Heading is created  
using H1 tag </H1>**

**<H2> This Heading is created  
using H2 tag </H2>**

**<H3> This Heading is created  
using H3 tag </H3>**

**<H4> This Heading is created  
using H4 tag </H4>**

**<H5> This Heading is created  
using H5 tag </H5>**

**<H6> This Heading is created  
using H6 tag </H6>**

**</HEAD>**

**</HTML>**

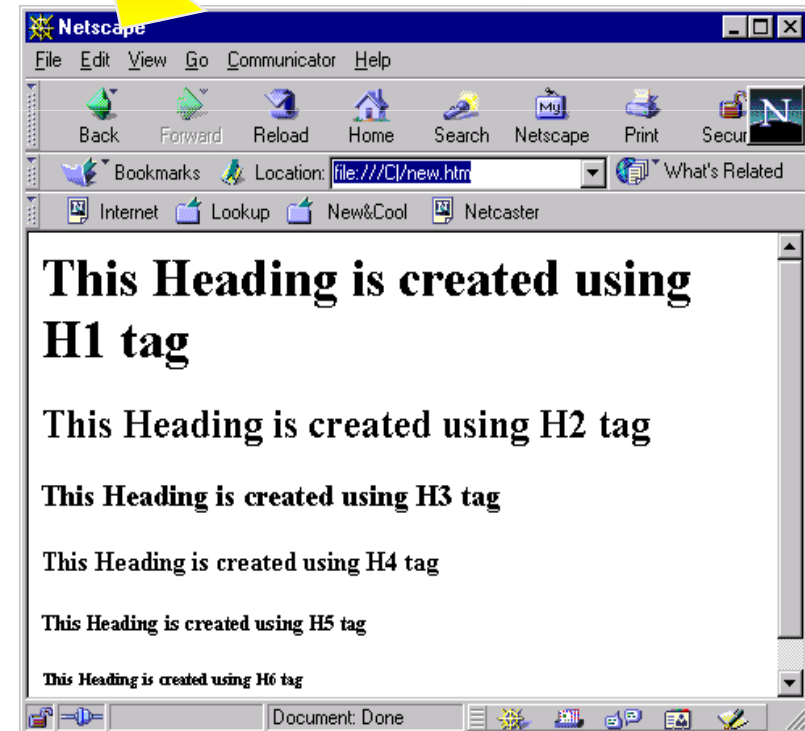
### Syntax

**<HTML>**

**<HEAD>**

**<H1>.....</H1>**

**</HEAD>**



# Paragraph Formatting

## ■ Paragraph Tag

**<P> ..... </P>**

## ■ Attributes

### ◆ ALIGN Attribute

- CENTER
- LEFT
- RIGHT

## Example

**<P>**

**The paragraph  
text should be added  
here within the <P> tag.**

**</P>**

# Font Settings Tags

**<FONT>.....</FONT>** - *Used for text Style Specifications*

- **ATTRIBUTES**

- ◆ **FACE**

**<FONT FACE="ARIAL">**

**PARAGRAPH SPECIFICATION**

**</FONT>**

- ◆ **Size**

**<FONT SIZE="5">**

**PARAGRAPH SPECIFICATION**

**</FONT>**

- ◆ **Color**

**<FONT COLOR="Blue">**

**PARAGRAPH SPECIFICATION**

**</FONT>**

# Adding Images

- **Inline Image** - The images are generally in one of the two formats – GIF (Graphic Interchange Format) or JPEG (Joint Photographic Experts Group).

- **Syntax**

- <IMG SRC="image.gif">

- **Attributes**

- . ALIGN

- Top

- Middle

- Bottom

- . WIDTH

- . HEIGHT

# Lists - Group of Items

## Bulleted Lists

### ■ Different Means of Transportation

#### ◆ By Road

- Car
- Bus
- Cycle

#### ◆ By Air

- Airplane
- Helicopter

## Numbered Lists

### 1. Different means of Transportation

#### i. By Road

- a. Car
- b. Bus
- c. Cycle

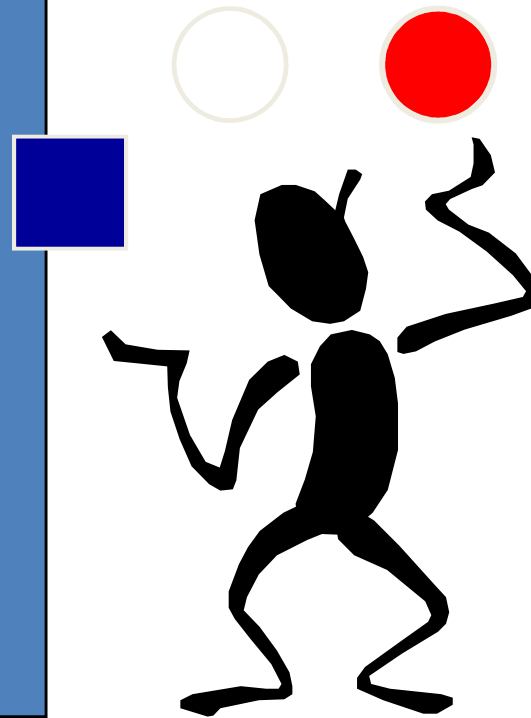
#### ii. By Air

- a. Airplane
- b. Helicopter



# Bulleted Lists

- `<UL> ..... </UL>`
- Attributes
  - ◆ TYPE Attribute
    - ☐ CIRCLE
    - ☐ DISC
    - ☐ SQUARE



# Numbered Lists

- `<OL>.....</OL>`
- Attributes
  - *START Attribute*

`<OL`

`START="value"`

`</OL>`

- *Type Attribute*

`<OL>`

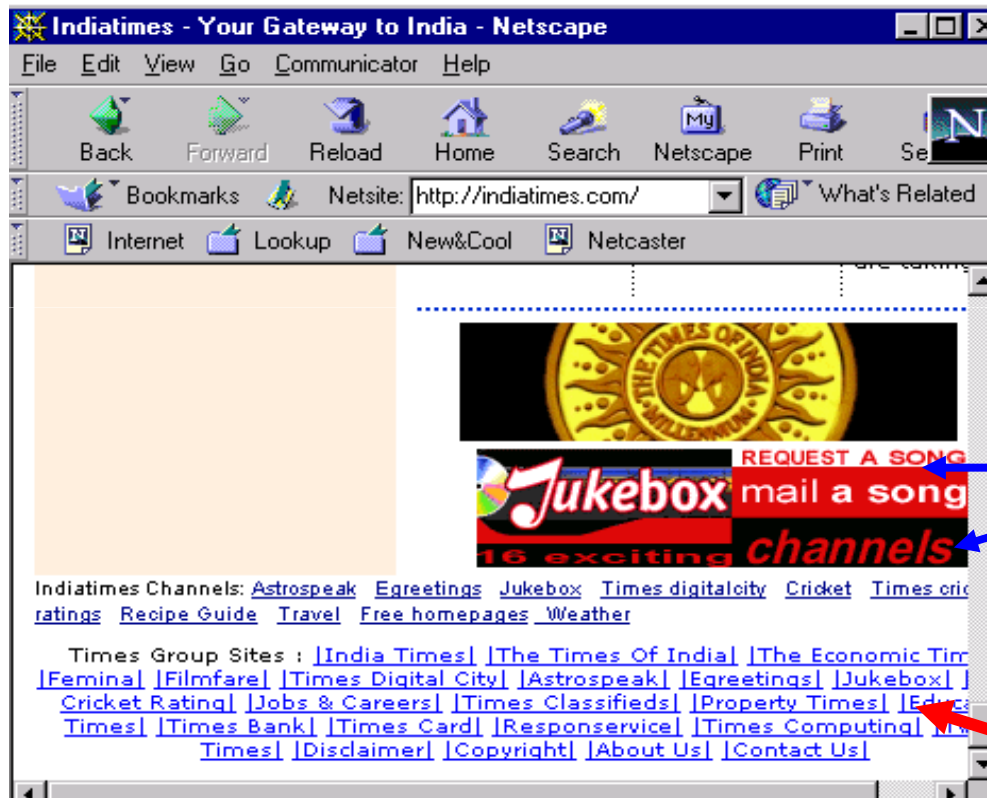
`TYPE="A"|"a"|"I"|"i"|"1"`

`</OL>`

# Hyperlinks

There are two types of links :

- Internal Link
- External Link



**Graphical  
Hyperlinks**

**Text Hyperlinks**

# Anchors

- Anchors

- `<A>.....</A>`

- Anchor Attributes

- HREF Attributes

- Syntax

- `<A HREF="URL">`

- Text-to-Click*

- `</A>`



# Tables

Welcome to AMUL - The Taste of India - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

Bookmarks Location: <http://amul.com/amul-cyber.html> What's Related

Internet Lookup New&Cool Netcaster

For Amul products in other countries, please check our [Exports Page](#). Amul products are available in US, New Zealand, UK and the Gulf.

| Sr No. | Select                   | Product                                      | Pack Size | Max. Retail Price | No. of packs Required | Total Price Rs.      |
|--------|--------------------------|--|-----------|-------------------|-----------------------|----------------------|
| 1      | <input type="checkbox"/> | <a href="#">Amul Butter</a>                  | 100g pack | Rs. 12.50         | <input type="text"/>  | <input type="text"/> |
| 2      | <input type="checkbox"/> | <a href="#">Amul Butter</a>                  | 500g pack | Rs. 61.00         | <input type="text"/>  | <input type="text"/> |
| 3      | <input type="checkbox"/> | <a href="#">Amul Lite Lowfat Breadspread</a> | 200g tub  | Rs. 20.00         | <input type="text"/>  | <input type="text"/> |
| 4      | <input type="checkbox"/> | <a href="#">Amul Cheese</a>                  | 400g tin  | Rs. 75.00         | <input type="text"/>  | <input type="text"/> |
| 5      | <input type="checkbox"/> | <a href="#">Amul Cheese Slices</a>           | 200g pack | Rs. 40.00         | <input type="text"/>  | <input type="text"/> |
| 6      | <input type="checkbox"/> | <a href="#">Amul Cheese</a>                  | 200g      | Rs. 16.00         | <input type="text"/>  | <input type="text"/> |

Document: Done

Information on the page is grouped into tables.

# Table Tags

- **Table Tag**
  - `<TABLE>.....</TABLE>`
- **Attributes**
  - Align
  - Border
- **Syntax**

```
<TABLE ALIGN="..."
        BORDER="..."
        WIDTH="..." >
    .....
    .....
</TABLE>
```

- **TR Tag**
  - `<TR>.....</TR>`
- **Attributes**
  - BgColor
- **Syntax**

```
<TABLE>
    <TR BgColor="..." >
        .....
    </TR>
</TABLE>
```

# Attributes of the Table tags

- *TD Tag*

- ◆ `<TD> .....</TD>`

- *Attributes*

- ◆ **Align**

- ◆ **Colspan**

- ◆ **Rowspan**

- *Syntax*

```
<TABLE>
<TR>
    <TD ALIGN="..."
        COLSPAN="..."
        ROWSPAN="..."
    </TD>
</TR>
</TABLE>
```

# Frames

- FRAMESET Tag

- `<FRAMESET>...</FRAMESET>`

- FRAMESET Attributes

- **ROWS**
  - **COLS**



- Syntax

`<HTML>`

`<HEAD>`

`<FRAMESET ROWS=.. OR  
COLS=..>`

**Frames and other HTML tags**

`</FRAMESET>`

`</HTML>`

■ The value for ROWS/COLS specified in:

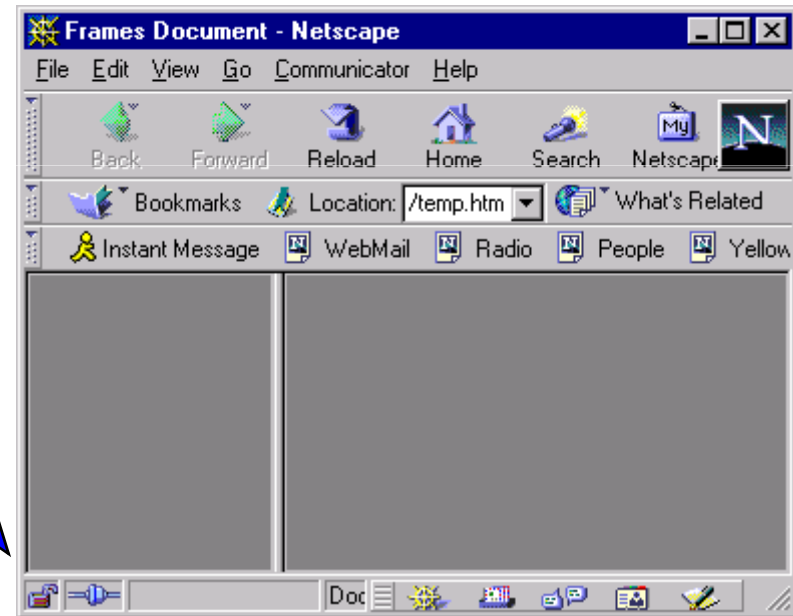
- **Pixels**
- **As a % of Parent Frame**
- **As\***



# FRAMESET Tag – Using COLS

*Row / Cols attribute value expressed in terms of pixels*

```
<HTML>  
<HEAD>  
<FRAMESET COLS=200,400">  
    </FRAMESET>  
</HTML>
```



# FRAMESET Tag – Using ROWS attribute

*Row / Cols attribute value expressed in terms of percentage*

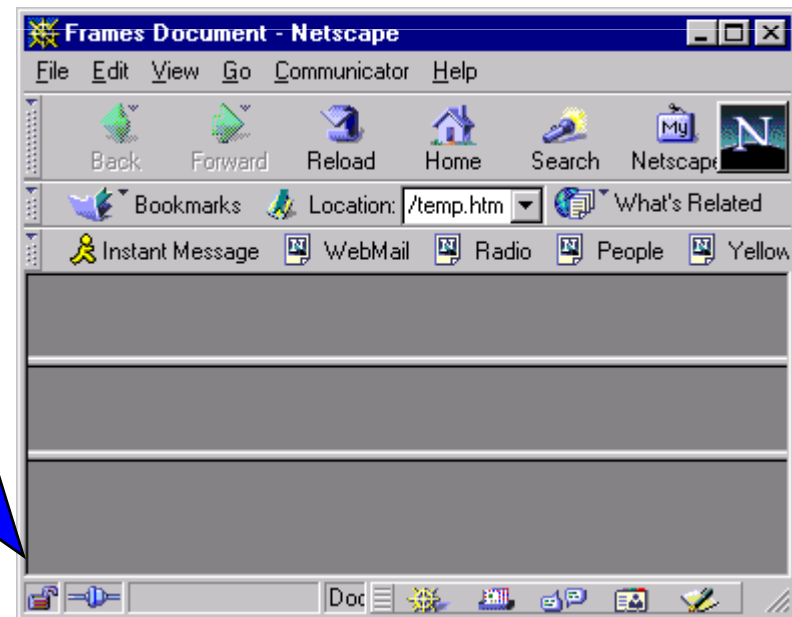
```
<HTML>
```

```
<HEAD>
```

```
<FRAMESET ROWS=30%,30%,40%>
```

```
</FRAMESET>
```

```
</HTML>
```



# FRAME Tag - 1

- `<FRAME>.....</FRAME>`
- **Frame tag Attributes**
  - SRC
  - NAME
  - SCROLLING
  - MARGIN WIDTH
  - MARGIN HEIGHT
- **Syntax**

```
<FRAMESET ROWS/COLS=.... , ...>  
  <FRAME SRC = " Value"  
    NAME ="Value"  
    SCROLLING="Value"  
    MARGIN WIDTH="Value"  
    MARGIN HEIGHT="Value">  
    </FRAME>  
</FRAMESET>
```

# Frame Tag-II

Example illustrating the use of **SRC**, **NAME**, **SCROLLING** attributes of the **FRAME** tag display two html documents in two separate frames

```
<HTML>
<HEAD>
<TITLE>Frames Document</TITLE></HEAD>

<FRAMESET COLS=30%,70%>
  <FRAME SRC="A3.htm"
        NAME="First Horizontal Frame"
        Scrolling="Yes">
  <FRAME SRC="A4.htm"
        NAME="Second Horizontal Frame">
</FRAMESET>
</HTML>
```



# TARGET Attribute

The linked page is automatically loaded into the frame from where the link was clicked. To load the page onto a different frame the TARGET attribute is used.

## Syntax

```
<A HREF="....." >
```

```
    Target="Name of the target Frame  
Window">
```

# Forms

A form is a collection of fields on a page.



The screenshot shows a web browser window titled "Register - Microsoft Internet Explorer". The address bar shows the path "C:\WINNT\Profiles\GUNEET\Desktop\Shoppingmall\register.htm". The main content area has a red header with the text "Register with us" and a yellow pencil icon. Below the header, there is a search bar with "All Products" and a "GO!" button. A link "click here to see your shopping cart ->" is also present. The registration form itself is on a light beige background and includes the following fields: "Login" (with a red asterisk), "Password" (with a red asterisk), "Re-enter" (with a red asterisk), "Full Name" (with a red asterisk), "Sex" (with radio buttons for "Male" and "Female"), "Birth Date" (with a dropdown menu), and "Address" (with a text input field). A red circle is drawn around the form fields, and a yellow pencil icon is drawn over the circle.

**Form  
Fields**

# Form Handler

- Form handler collects information from the form. It is used to:
  - **Store the data submitted by the user into a text file. The data can be retrieved as and when required.**
  - **Update a database with the data submitted by the user.**
  - **Post the data on a Web page**

# Creating Forms

Forms are classified into three:

- Form Header
- Input Fields
- Action Buttons

<Form>....</Form> tag

Syntax:

<HTML>

<BODY>

<FORM>

Form

Elements

</FORM>

</BODY>

<HTML>

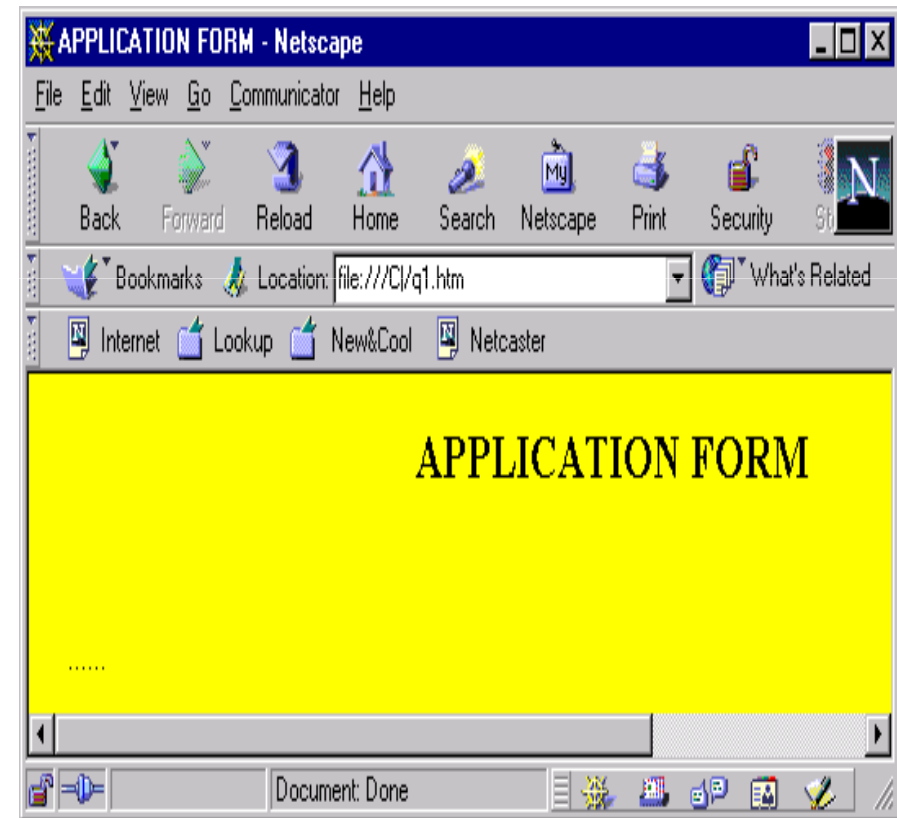


# Creating Form Header

**Example- creating a simple form header using  
<Caption> Tag**

```
<HTML>
<HEAD>
  <TITLE> Application Form </TITLE>
</HEAD>
<BODY bgcolor="gray" >
  <TABLE CellPadding=10 Width="700">
<CENTER>
  <CAPTION ALIGN="TOP">
    <H2>APPLICATION FORM</H2>
  </CAPTION>
</CENTER>
</TABLE>
</BODY>
</HTML>
```

**Form Elements are  
added using Table**



# Input Elements

- TEXT – Text entry box
- BUTTON – Custom push button
- CHECKBOX – On/Off check box
- IMAGE – Graphical image
- PASSWORD – Masked text entry
- RADIO – Option buttons
- RESET – Reset button
- SUBMIT – Submit button

■ `<Input>....</Input>`

■ Input Attributes

◆ TYPE

◆ NAME

◆ VALUE

◆ ALIGN

☞ Left

☞ Right

☞ Center

◆ SIZE

◆ MAXLENGTH

Syntax

```
<INPUT TYPE=" "
      NAME=" "
      VALUE=" "
      ALIGN=" "
      SIZE=" "
      MAXLENGTH="
" >
```

# Text Input Type

## Example

**<FORM>**

<FONT FACE="COURIER NEW">

<FONT SIZE="4">

<TR>

<TD>First Name</TD>

<TD>**<INPUT TYPE = "TEXT"**

**NAME = "EName1"**

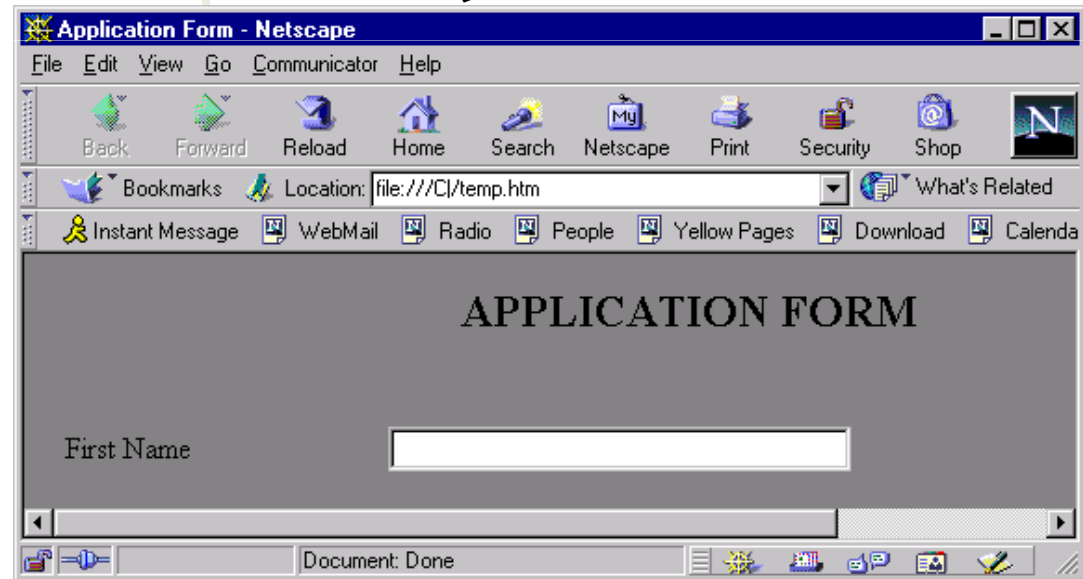
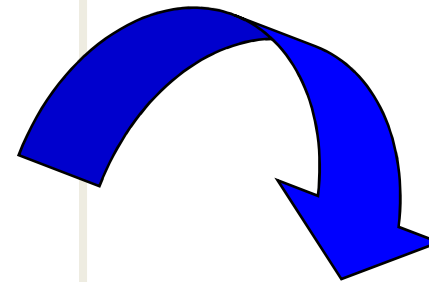
**SIZE = "30"**

**MAXLENGTH = "30"**

**VALUE = "">**

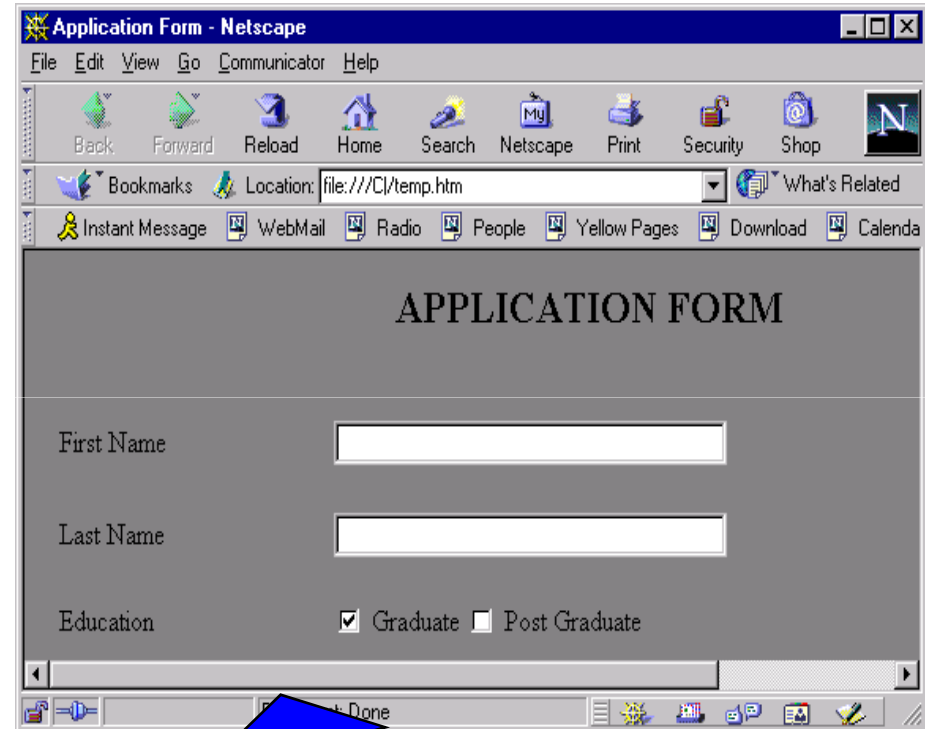
</TD>

</TR>



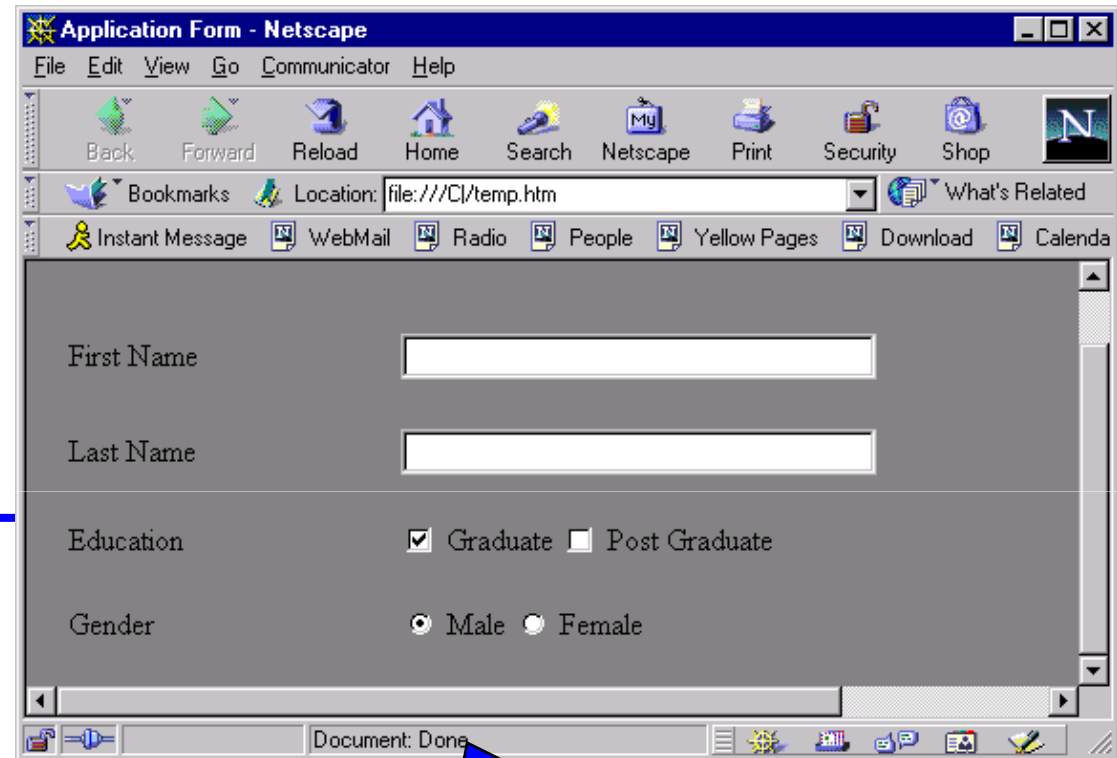
# Checkbox Input Type

```
<TR>
<TD>Education</TD>
<TD>
<INPUT TYPE = "CHECKBOX"
      NAME = "Education"
      VALUE = "Graduate" CHECKED>
      Graduate
<INPUT TYPE = "CHECKBOX"
      NAME = "Education"
      VALUE = "Post Graduate">
      Post Graduate
</TD>
</TR>
```



# Radio Button Input Type

```
<TR>
<TD>Gender</TD>
<TD>
<INPUT TYPE = "RADIO"
      NAME = "Gender"
      VALUE = "Male" CHECKED> Male
<INPUT TYPE = "RADIO"
      NAME = "Gender"
      VALUE = "Female" > Female
</TD>
</TR>
```

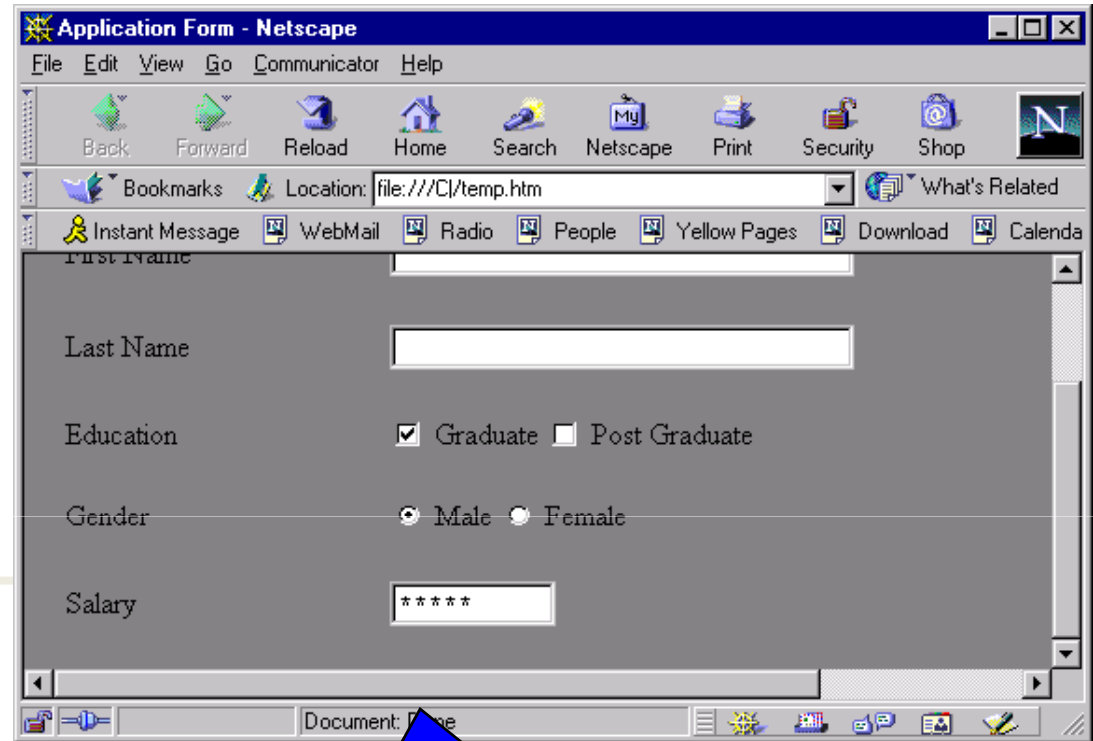


The screenshot shows a Netscape browser window titled "Application Form - Netscape". The address bar displays "file:///C:/temp.htm". The form contains the following fields:

- First Name:
- Last Name:
- Education: ☒ Graduate ☐ Post Graduate
- Gender: ☒ Male ☐ Female

A blue arrow points from the "Male" radio button in the form to the corresponding HTML code in the adjacent block.

# Password Input Type



Application Form - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop

Bookmarks Location: file:///C:/temp.htm What's Related

Instant Message WebMail Radio People Yellow Pages Download Calenda

First Name

Last Name

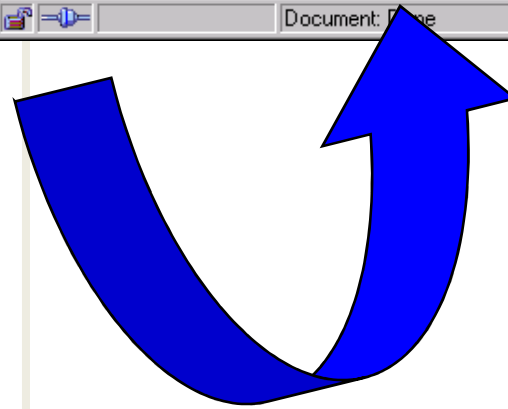
Education ☒ Graduate ☐ Post Graduate

Gender ☒ Male ☐ Female

Salary \*\*\*\*\*

Document: file

```
<TR>  
<TD>Salary</TD>  
<TD>  
<INPUT TYPE = PASSWORD"  
  NAME= "Salary"  
  SIZE = "10">  
</TD>  
</TR>
```



# Multiple Line Text Input

- **<TEXTAREA>..... <TEXTAREA>**  
**Tag**

- **TEXTAREA Tag Attributes**

- **Rows**
- **Cols**
- **Wrap**
  - **OFF**
  - **VIRTUAL**
  - **PHYSICAL**

## Syntax

```
<TEXTAREA  
ROWS=" " COLS="  
" WRAP=" " >
```

# Pull Down Menus

- **<SELECT>.....</SELECT> Tag**
  - **<OPTION>.....</OPTION> Tag**

- **Syntax**

```
<SELECT NAME="ListName">
```

```
  <OPTION>Option1
```

```
  <OPTION>Option2
```

```
</SELECT>
```



# Action Buttons

- Submit Button

- Attributes

- TYPE

- VALUE

- Reset Button

- Attributes

- TYPE

- VALUE

## Syntax

```
<TR>
```

```
<INPUT TYPE = "SUBMIT"  
VALUE = "SUBMIT">
```

```
<INPUT TYPE = "RESET"  
VALUE = "RESET">
```

```
</TD>
```

```
</TR>
```

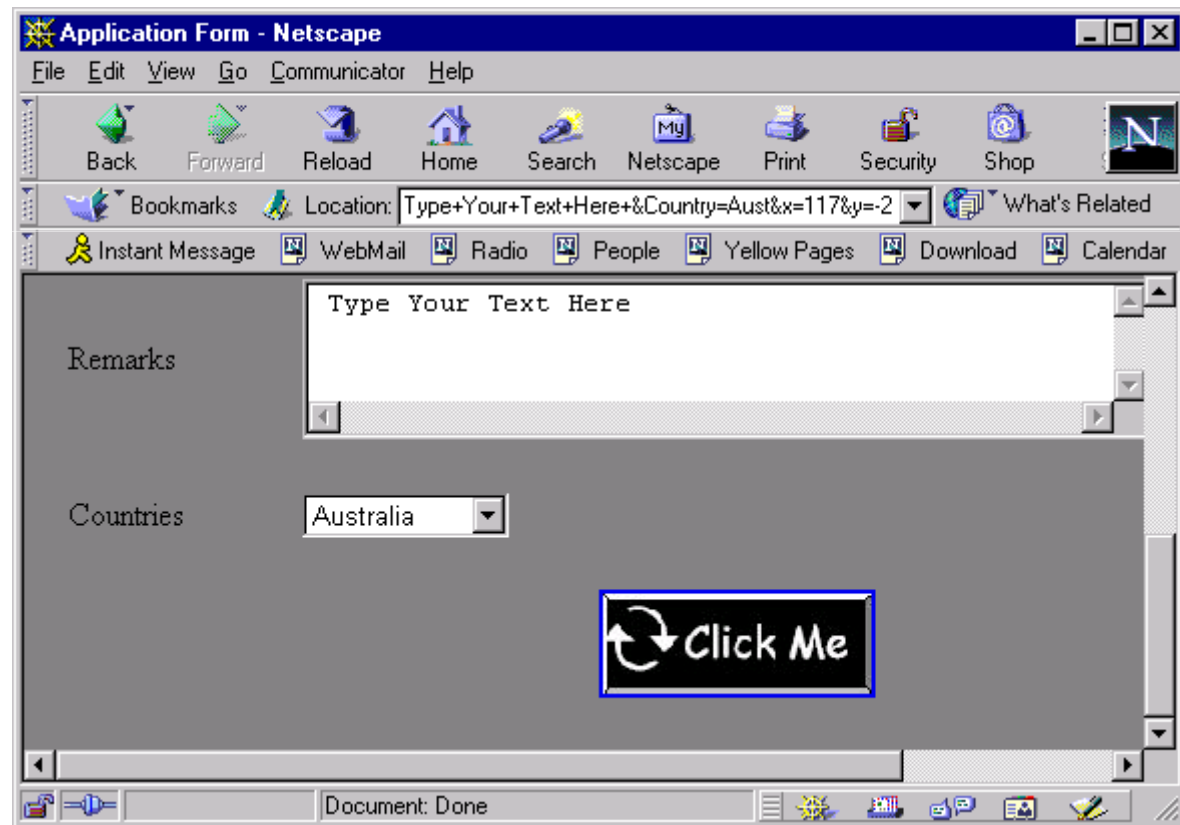
# Image Input Type

## Syntax

<INPUT TYPE = "IMAGE" SRC = "Image Name">

## Example

```
<INPUT TYPE =  
"IMAGE" SRC =  
"ClickButton.jpg"  
>
```



# FORM Tag

- Form Tag
  - Method Attribute
  - Action Attribute
- Syntax

<FORM

*ACTION="MAILTO:emailID"*

*METHOD="POST" NAME="NAME OF THE  
FORM">*

..... • •

</FORM>

