

# Lecture 04

## HTML: Links Building, Directory Structure & Navigations

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# Summary of the previous lecture

- **What is HTML?**
- **Basic Structure of HTML page**
- **Body tag attributes**
- **Text formatting tags**
- **Lists**

# Outline

- 1. How to link between pages of your site (internal links)**
- 2. How to link to other sites (external)**
- 3. How to structure the folders on your web site**
- 4. Internal document references**
- 5. Link attributes**

# 1. HTML links

- The **crux** of HTML is its capability **to reference** countless other pieces of information easily on **the internet**
- When you link to another page in your own web site, the link is known as an **internal link**
- When you link to a different site, it is known as an **external link**

# 1.1 Internal links

- The element `<a>` is used to link another document
- Anything between the opening `<a>` tag and the closing `</a>` tag becomes part of the link that users can click in a browser

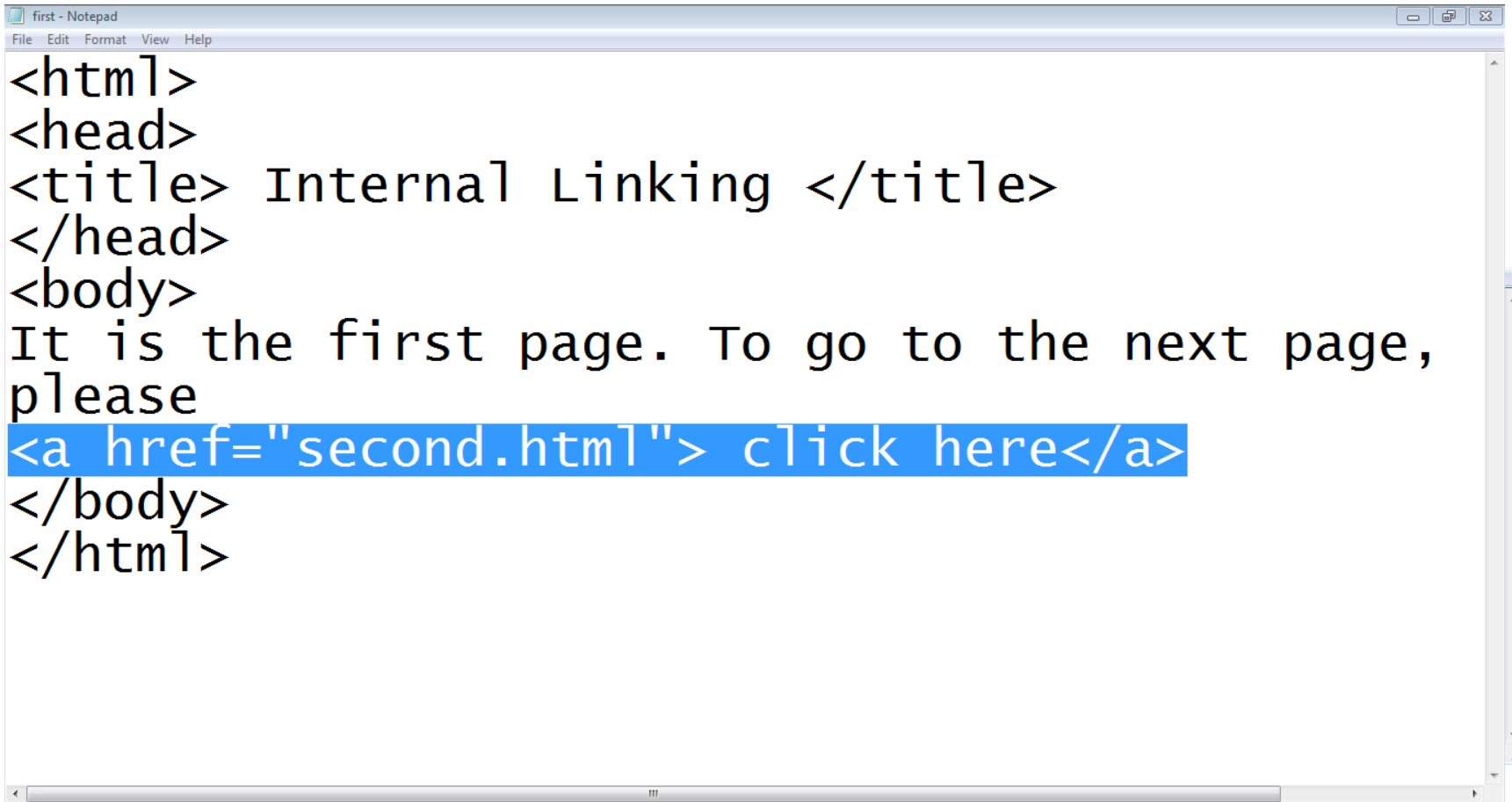
# 1.1 Internal links...

- To link another page, **href** attribute of opening tag of **<a>** is used
- the **value** of the href attribute is the **name of the file** you are linking to

**For example:**

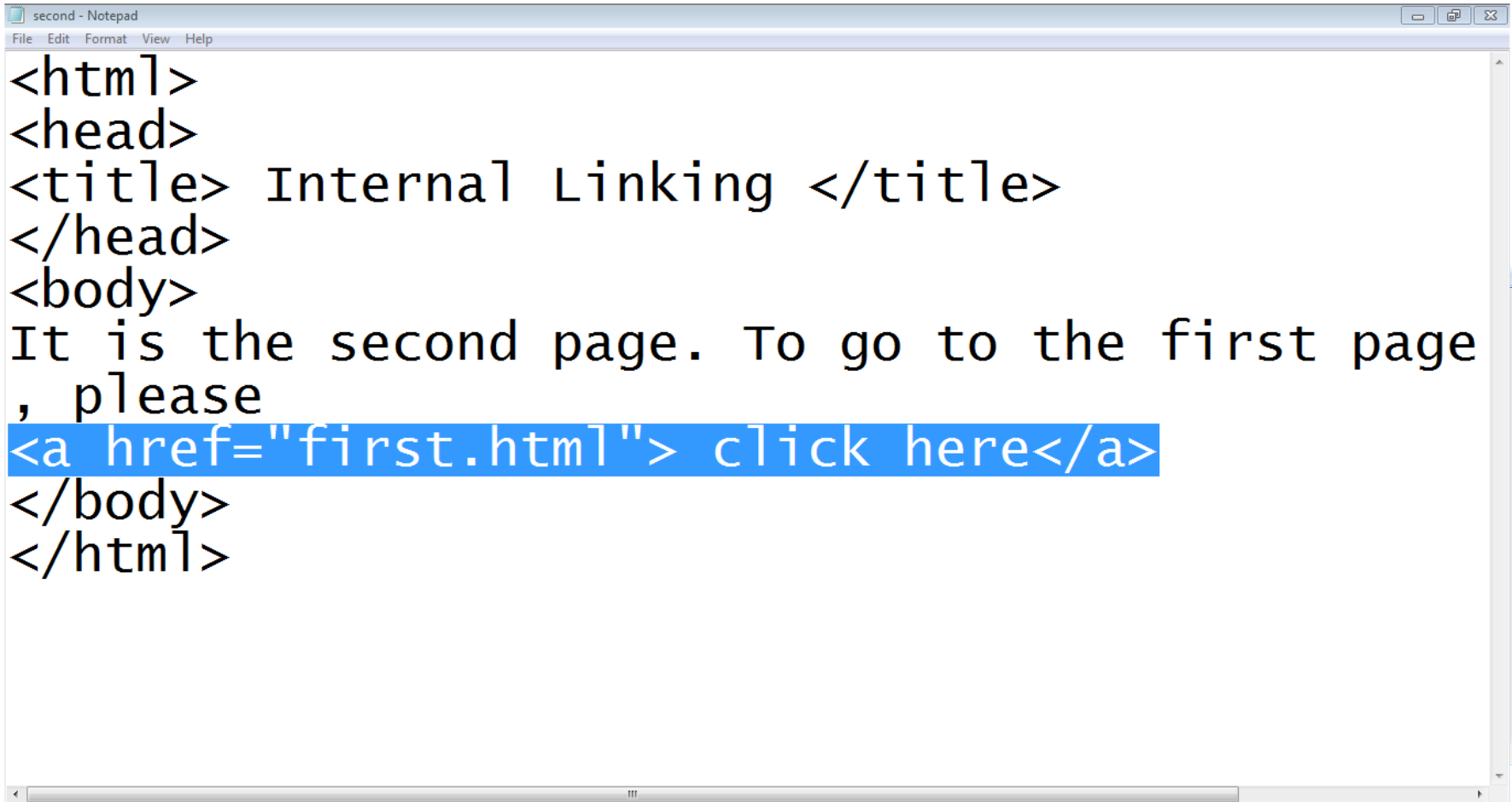
- `<a href="abc.html"> Click here </a>`

# 1.1 Internal links...

A screenshot of a Notepad window titled "first - Notepad". The window contains HTML code for a page titled "Internal Linking". The code includes a title tag, a body tag with the text "It is the first page. To go to the next page, please", and an anchor tag with the text "click here" and a href attribute pointing to "second.html". The anchor tag is highlighted in blue. The Notepad window has a menu bar with "File", "Edit", "Format", "View", and "Help".

```
<html>
<head>
<title> Internal Linking </title>
</head>
<body>
It is the first page. To go to the next page,
please
<a href="second.html"> click here</a>
</body>
</html>
```

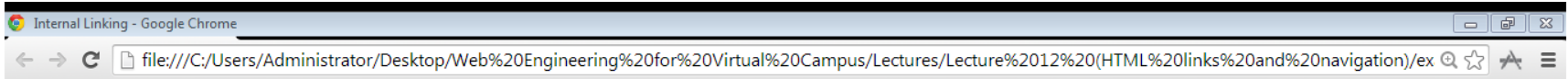
# 1.1 Internal links...

A screenshot of a Notepad window titled "second - Notepad". The window contains HTML code for a page titled "Internal Linking". The code includes a title tag, a body tag with the text "It is the second page. To go to the first page, please", and an anchor tag with the text "click here" that links to "first.html". The anchor tag is highlighted in blue.

```
<html>
<head>
<title> Internal Linking </title>
</head>
<body>
It is the second page. To go to the first page
, please
<a href="first.html"> click here</a>
</body>
</html>
```



# 1.1 Internal links...

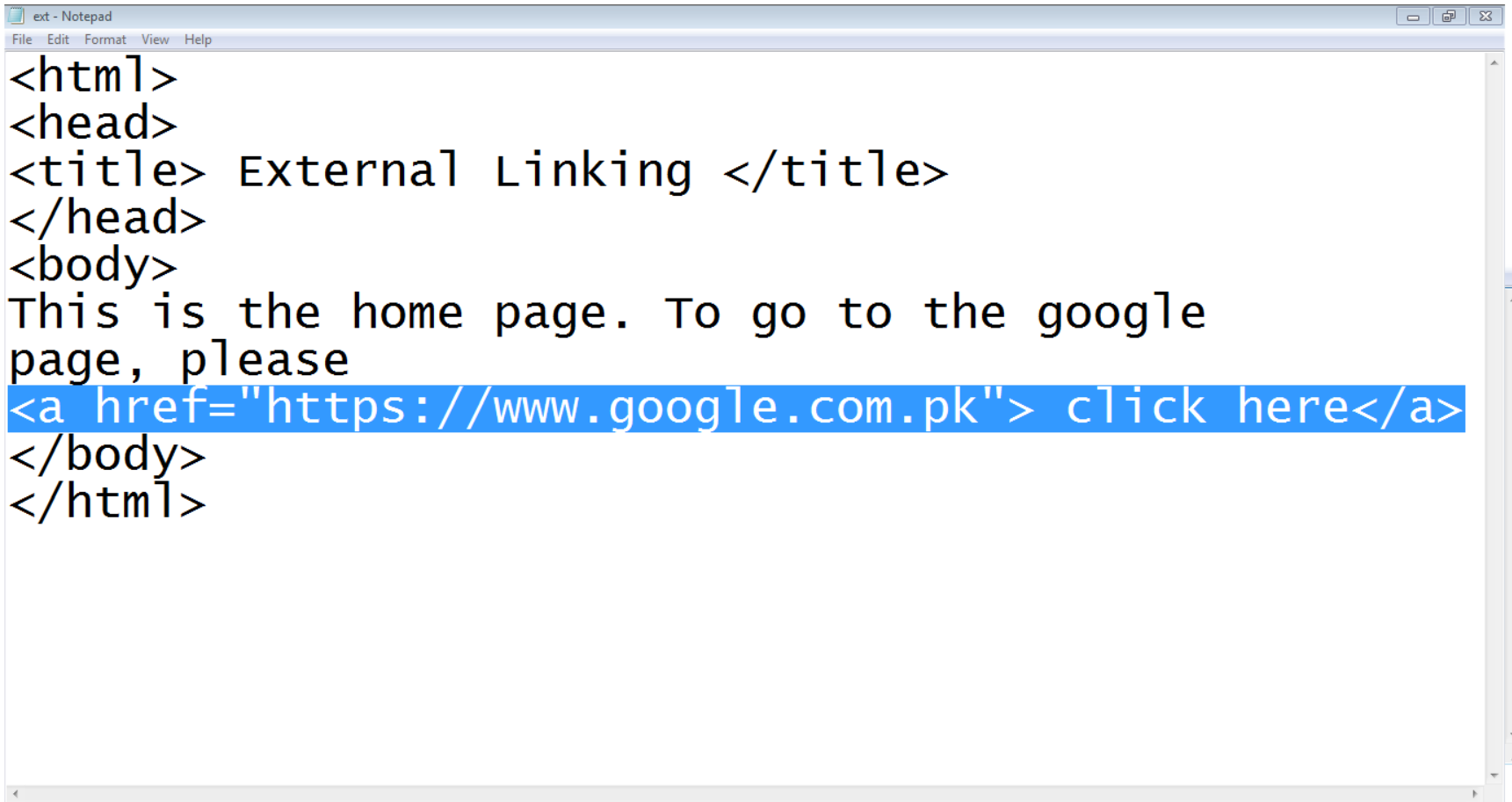


It is the first page. To go to the next page, please [click here](#)

## 1.2 External links

- To link the page of another website, again the **href** attribute of opening tag of **<a>** is used
- the value of the **href** attribute is the **full web address** for the page you want to link to rather than just the **filename**
  - **<a href="https://www.google.com.pk"> Click here </a>**

# 1.2 External links ...

A screenshot of a Notepad window titled 'ext - Notepad'. The window contains HTML code for a page titled 'External Linking'. The code includes a title tag, a body tag with the text 'This is the home page. To go to the google page, please', and an anchor tag with the href attribute set to 'https://www.google.com.pk'. The anchor tag and its text are highlighted in blue. The Notepad interface shows a menu bar with 'File', 'Edit', 'Format', 'View', and 'Help', and standard window controls in the top right corner.

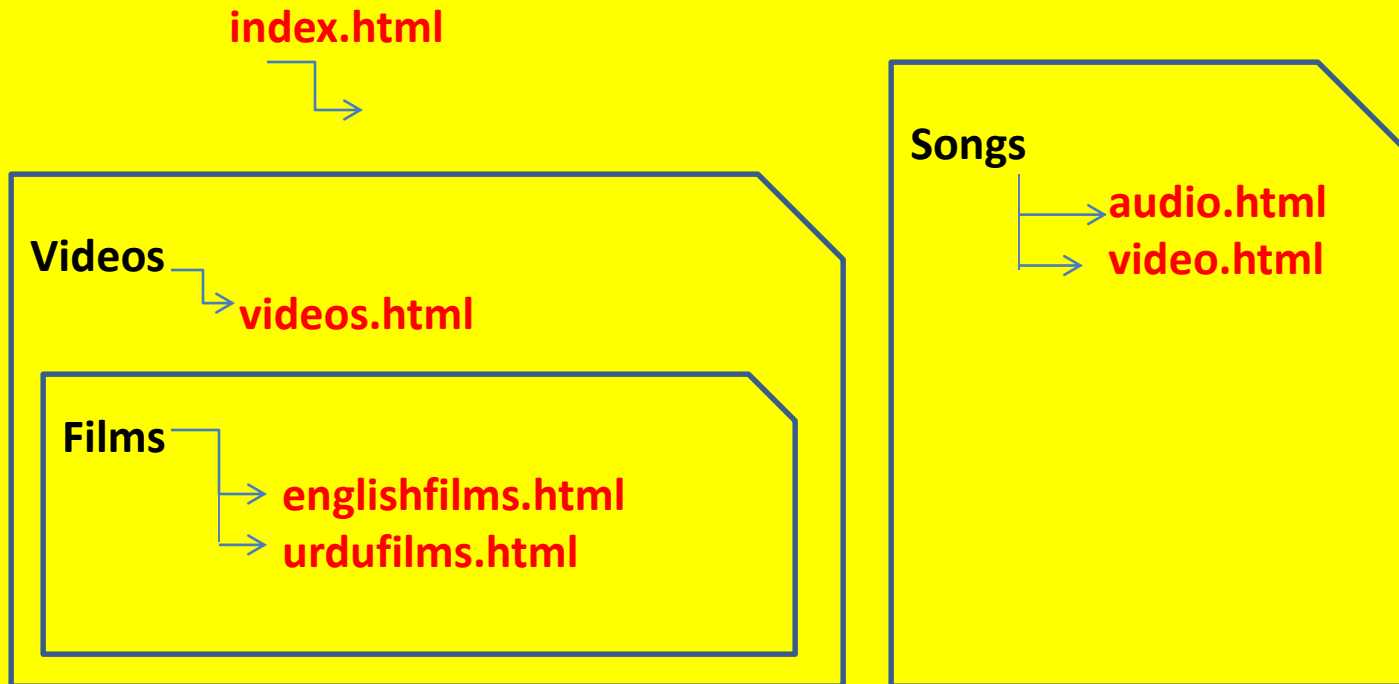
```
<html>
<head>
<title> External Linking </title>
</head>
<body>
This is the home page. To go to the google
page, please
<a href="https://www.google.com.pk"> click here</a>
</body>
</html>
```

## 2. Directory Structures

- A **directory** is simply another name for a folder on a web site
- The **root directory** (or root folder) is the main directory that holds the whole of your web site
- A **subdirectory** is a directory that is within another directory
- A **parent directory** is a directory that contains another directory

# 2. Directory Structures...

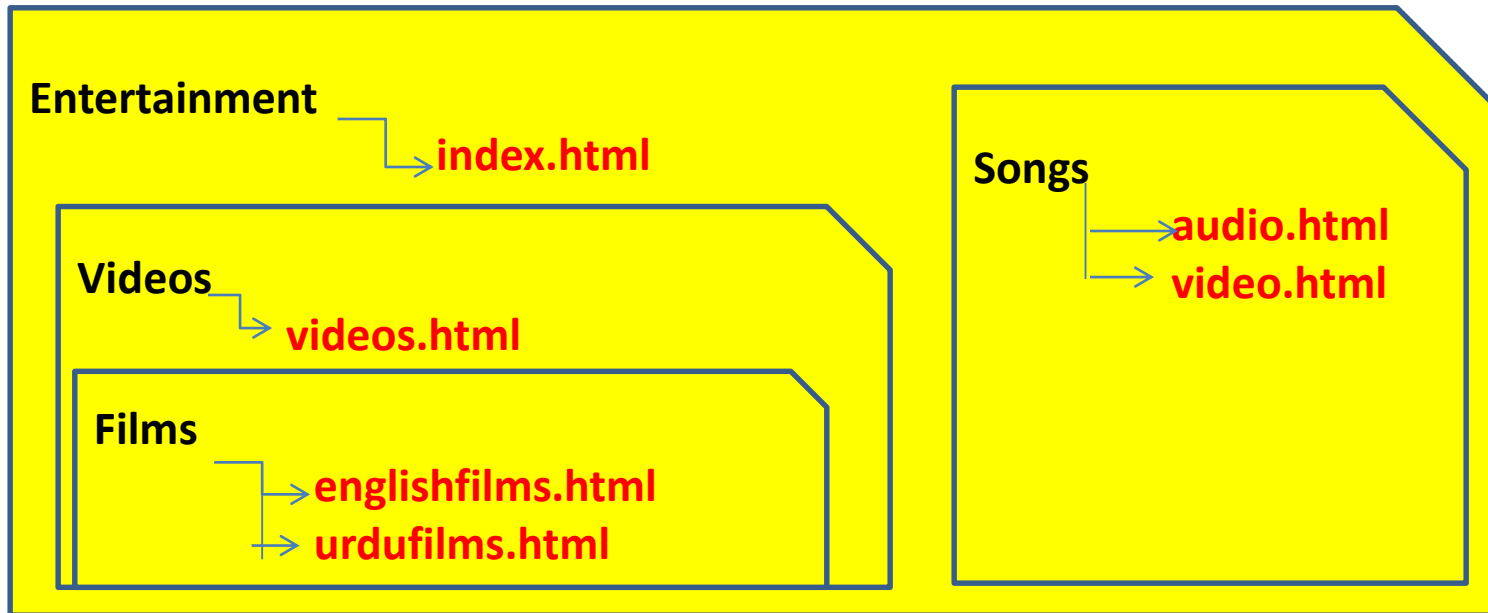
## Entertainment



## 2.1 Referencing a web page

- **Same Directory:** When you want to link to, or include, a resource from the same directory, you can just use the **name of that file**
- **Subdirectory:**
  - **sub-directory/.../file-name**
- **Parent directory:**
  - **../file-name**

# 2.1 Referencing a web page...



- `<a href="englishfilms.html">....</a>`
- `<a href="Videos/Films/englishfilms.html">....</a>`
- `<a href="../..Songs/audio.html">....</a>`

# 3. Internal document references

**Step 1:** Mark locations

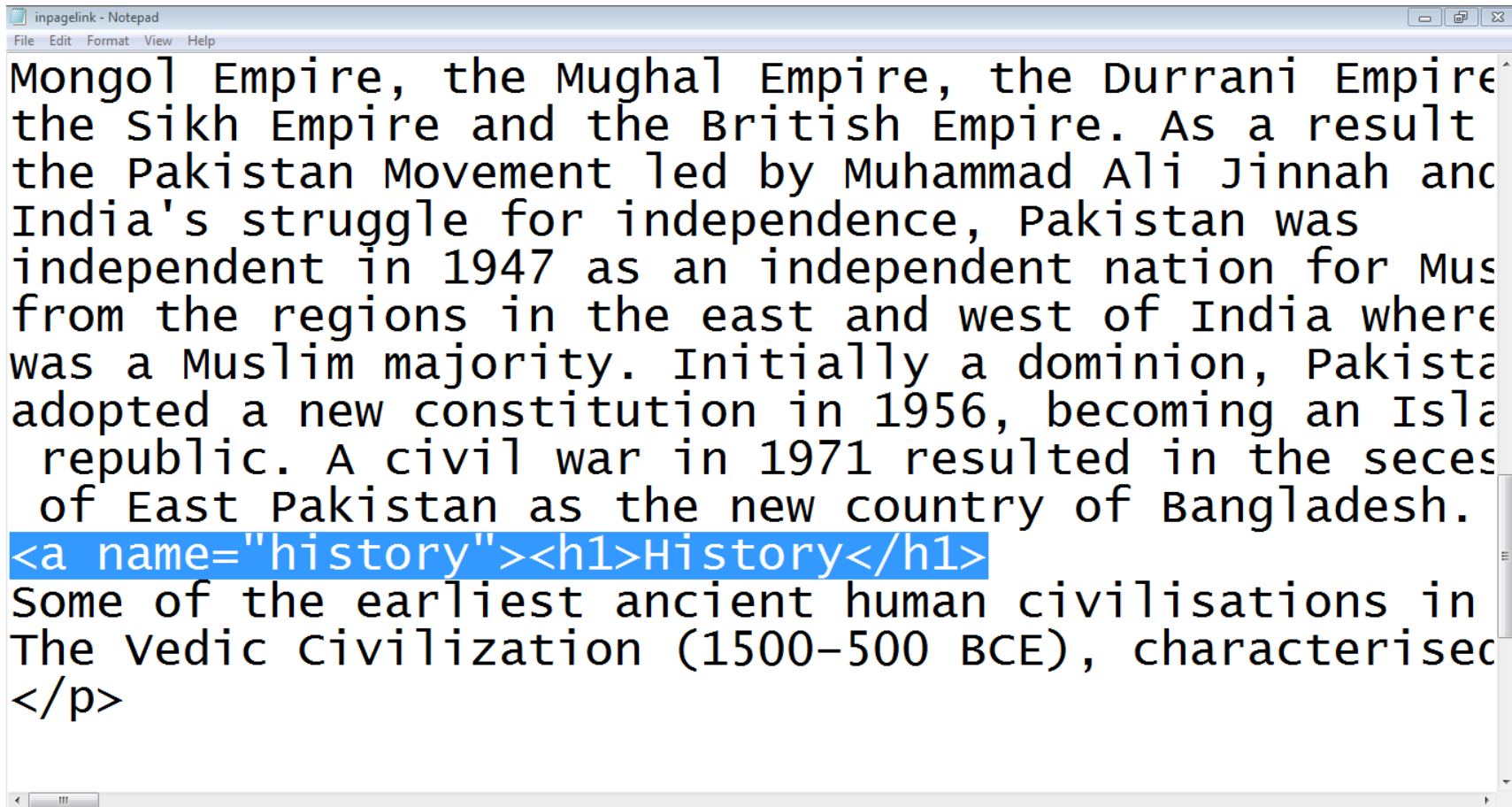
```
<A NAME="LOCATION1"></A>
```

**Step 2:** link

```
<A HREF="#LOCATION1">.....</A>
```



# 3. Internal document references



```
inpagelink - Notepad
File Edit Format View Help
Mongol Empire, the Mughal Empire, the Durrani Empire,
the Sikh Empire and the British Empire. As a result
of the Pakistan Movement led by Muhammad Ali Jinnah and
India's struggle for independence, Pakistan was
independent in 1947 as an independent nation for Muslims
from the regions in the east and west of India where
there was a Muslim majority. Initially a dominion, Pakistan
adopted a new constitution in 1956, becoming an Islamic
republic. A civil war in 1971 resulted in the secession
of East Pakistan as the new country of Bangladesh.
<a name="history"><h1>History</h1>
Some of the earliest ancient human civilisations in
The Vedic civilization (1500–500 BCE), characterised
</p>
```

# 3. Internal document references

```
inpagelink - Notepad
File Edit Format View Help
<a href="#top">Go to top</a><html>
<head>
<title> In-page links </title>
</head>
<body >
<a name="top"><h1>Pakistan</h1>
<a href="#history">History</a><br>
<a href="#politics">Politics</a><br>
<p>Pakistan, (Listeni/'pæk?stæn/ or Listeni/p??ki'st
Urdu: ?????????? ALA-LC: Pakistan IPA: [p??k?st???n] (
officially the Islamic Republic of Pakistan,
(Urdu: ???????? ?????????? ?????????? ALA-LC: Islami Jumhur
Pakistan IPA: [ʔsɪʔmiʔ d????m?u?ri??h p??k?st???n])
sovereign country in South Asia.</p><p> with a popul
exceeding 180 million people, it is the sixth most
```

## 4. More attribute for <a>

- **accesskey:**
  - `<a href="abc.html" accesskey="a">.....</a>`
- **tabindex:**
  - `<a href="abc.html" tabindex="1">....</a>`
- **target:**
  - `<a href="abc.html" target="_blank">....</a>`
- **title:**
  - `<a href="abc.html" title="it,s a link">....</a>`

# 4. More attribute for <a>...

```
attributes - Notepad
File Edit Format View Help
<html>
<head>
<title>Link Attributes</title>
</head>
<body bgcolor="lightblue">
It is the first link
<a href="first.html" tabindex="2" target="_self"
title="this is the first link" accesskey="a">
first link </a><br>
It is the second link
<a href="first.html" tabindex="1" target="_blank"
title="this is the second link">second link</a>
</body>
</html>
```

# Summary

- **Internal links**
- **External links**
- **Directory Structure**
- **Internal document reference**
- **Some attributes of <a>**

# References

- **Chapter 2**, Beginning HTML, XHTML, CSS, and JavaScript, by Jon Duckett, Wiley Publishing; 2009, ISBN: 978-0-470-54070-1.