Activity: Referencing Frames and Windows in a Web Page

Problem Statement

Sandra is designing a Web site for StarMoon Technologies. The Web site should be divided into two frames. The left frame should contain the following hyperlinks on the homepage:

■ Company Services

■ Clients

■ Careers

■ Contact Us

On loading the home page, a pop-up window specifying the company's mission statement should appear. In addition, the company name and logo should be displayed in the right frame.

Sandra wants to ensure that when the user clicks a hyperlink in the left frame, the information corresponding to the selected link is displayed in the right frame following the company name and logo. In addition, the pop-up window also changes its text based on the selected hyperlink.

Help Sandra to perform the preceding activity.

Solution

To solve the preceding problem, perform the following tasks:
1. Create the HTML page for **index.html**.
2. Create the HTML page for **linkspage.html**.
3. Create the HTML pages for various hyperlinks.
4. Verify the solution.

Task 1: Create the HTML Page Index.html

To create the index page that will contain the frames, perform the following steps:
1. Open Notepad.
2. Type the following HTML code:

```
<HTML>
<HEAD>
<TITLE>StarMoon Technologies</TITLE>
```

```
</HEAD>
<FRAMESET cols="180,*">
  <FRAME name="contents" target="main" src="linkspage.html">
  <FRAME name="main" src="companyservices.html">
  <NOFRAMES>
  <BODY>
  <P>This page uses frames, but your browser doesn't support
them.</P>
  </BODY>
  </NOFRAMES>
</FRAMESET>
</HTML>
```

The preceding code will create the frames on the index page.

Task 2: Create the HTML Page Linkspage.html

To create the file **linkspage.html** that contains various hyperlinks, perform the following steps:

1. Open Notepad.
2. Type the following HTML code.

```
<HTML>
<HEAD>
<TITLE>Main Page</TITLE>
<base target="main">
</HEAD>
<BODY>
<A HREF="companyservices.html">Company Services</A>
<BR>
<A HREF="clients.html">Clients</A>
<BR>
<A HREF="careers.html">Careers</A>
<BR>
<A HREF="contacts.html">Contact Us</A>
<BR>
</BODY>
</HTML>
```

The preceding code will create four hyperlinks that display the different Web pages of the Web site.

Task 3: Create the HTML Page for Various Hyperlinks.

To create the file **companyservices.html**, perform the following steps:
1. Open Notepad.
2. Type the following HTML code.

```
<HTML>
<HEAD>
<SCRIPT LANGUAGE="JavaScript">
function closeWin(popup_new)
{
      popup_new.close(); // closes the popup window
}
function popupwin_Prop(popup_text)
{
      popup_new = window.open('','newWin','width=300,height=100');
      popup_new.document.write(popup_text);
      setTimeout('closeWin(popup_new)', 2500);
}
function Adver_popup()
{
popup_text =   "<HTML>\n<HEAD>\n<TITLE>Company
Services</TITLE>\n<BODY>\n";
popup_text = popup_text + "<CENTER>\n<BR>";
popup_text = popup_text + "<BODY bgcolor='aquamarine'>";
popup_text = popup_text + "<FONT COLOR='RED'>   <P align='CENTER'>
<h2>Company Services</h2></P></FONT>";
popup_text = popup_text + "</CENTER>\n</BODY>\n</HTML>\n";
setTimeout('popupwin_Prop(popup_text)', 1000);             // add a
delay of five seconds before opening the pop-up window
}
</SCRIPT>
</HEAD>
<BODY onLoad="Adver_popup()">
<P>This is Company Services page</P>
</BODY>
</HTML>
```

The preceding code will create a reference file for the hyperlink, **Company Services**, on the home page. The preceding code will also display a popup window after the user clicks the **Company Services** link. The popup window will display information about the link being clicked.

3. Perform similar steps for all the other links such as **clients.html**, **careers.html**, and **contacts.html**.
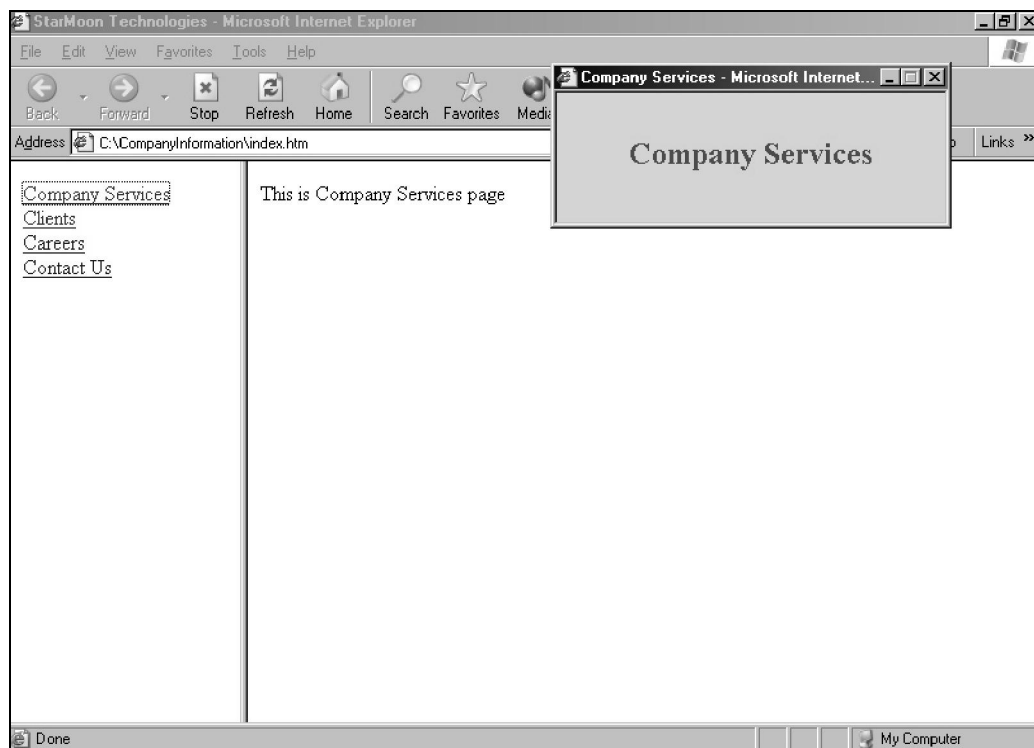
Task 4: Verify the Solution

To verify the solution:
1. Open the **index.html** file on a Web browser such as Internet Explorer.
2. Click the **Company Services** hyperlink.

3. Verify that the **Company Services** page is opened in a different frame with a pop-up window.

The following figure displays the output of the preceding task.

Code Output of the Company Services Hyperlink