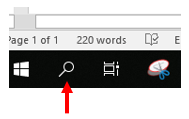
**Day 2 – Web Server (Software)**

**Warm-Up Activity**

Creating a simple Web Page

1. Use the search button (magnifying glass icon) in the bottom windows tray.
2. Find and open the “notepad” text editor application.
3. Use “Save As…” to go to your student folder (G drive) save the file as “mywebpage.txt”
4. Edit the file with the following contents and save it.

<h1>Hello Everybody</h1>

<p>This is a basic <b>HTML</b> web page</p>

Opening your web page

1. Open your web browser (e.g. Chrome)
2. Type “file://G:/” for the URL. What do you see?
3. Click on your “mywebpage.txt” to open it. What do you see?
4. Use File Explorer to rename your file to “mywebpage.html”
5. Refresh the “file://G:/” URL
6. Click on your “mywebpage.html” to open it. What do you see?

**Presentation Notes: Web Server Software**

1. What is a HTML and what does it stand for?

HTML is the standard markup language for creating Web pages. HTML stands for Hyper Text Markup Language.

1. What does a basic web page contain?

Web pages are documents, typically composed in plain text interspersed with formatting instructions of Hypertext Markup Language (HTML, XHTML). 

1. How does a dynamic web page differ from a basic web page

In dynamic web pages, the page content changes according to the user. Basic HTML pages can be loaded quickly by consuming less time

1. What is a Web Server?

A Web server is a program that uses HTTP to serve the files that form Web pages to users.

1. What are some functions of a Web Server?

The primary function of a web server is to store, process and deliver web pages to clients. The communication between client and server takes place using the Hypertext Transfer Protocol.

1. What are some common types of Web Servers?

There are mainly four types of web servers – **Apache**, **IIS**, Nginx and LiteSpeed.

1. What is a HTTP and what does it stand for?

HTTP stands for Hypertext Transfer Protocol and it is a communications protocol used to connect to Web servers on the Internet or on a local network 

1. What is the difference between HTTPS and HTTP?

HTTP by default operates on port 80 whereas HTTPS by default operates on port 443. HTTP transfers data in plain text while HTTPS transfers data in cipher text.

1. What are some other common URL protocols?

Some common url’s are ftp , mailto , file , data , and irc.