Practical 7

AIM: Use of HTML to create a simple web page

Step 1: Open a Text Editor (Notepad)

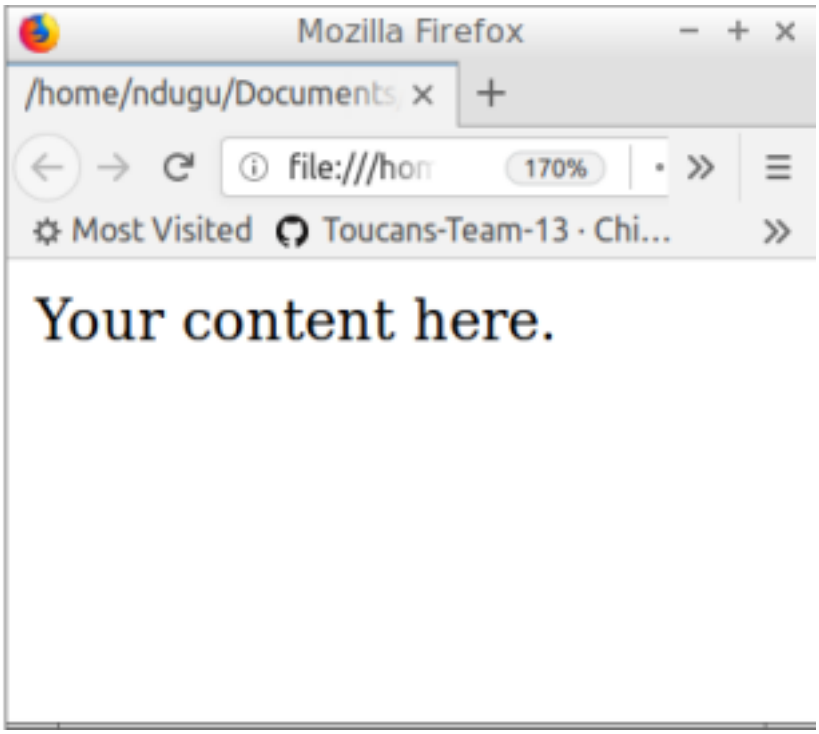
Step 2: Write Some HTML Code

We are now going to add the HTML boilerplate code. This is the code that will allow the browser to correctly display your webpage.

```
<!DOCTYPE html>
<html>
 <head>
 <title>Your Title Here</title>
 </head>
 <body>
 Your content here.
 </body>
</html>
```

Save the html page by pressing CTRL + S or click on file option then save option. Ensure that you name the file in the following format: "name" then ".html" examples index.html, cooking.html.

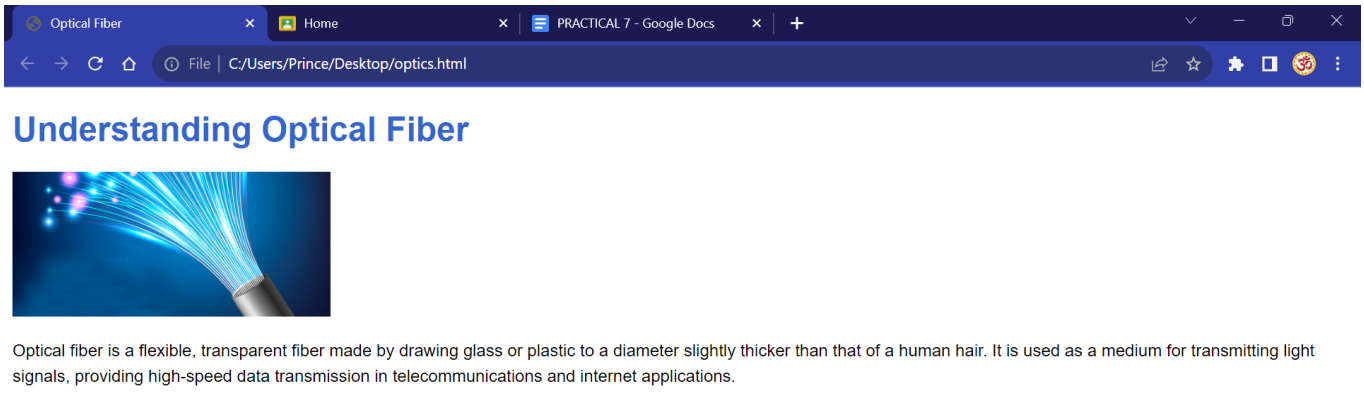
this.



Step 3: Add the Text Content

Add the content between the body tags.

Refresh the webpage on the browser. It will look like a blob of text with no paragraphs or headings shown below.



Step 4: Add the HTML Tags

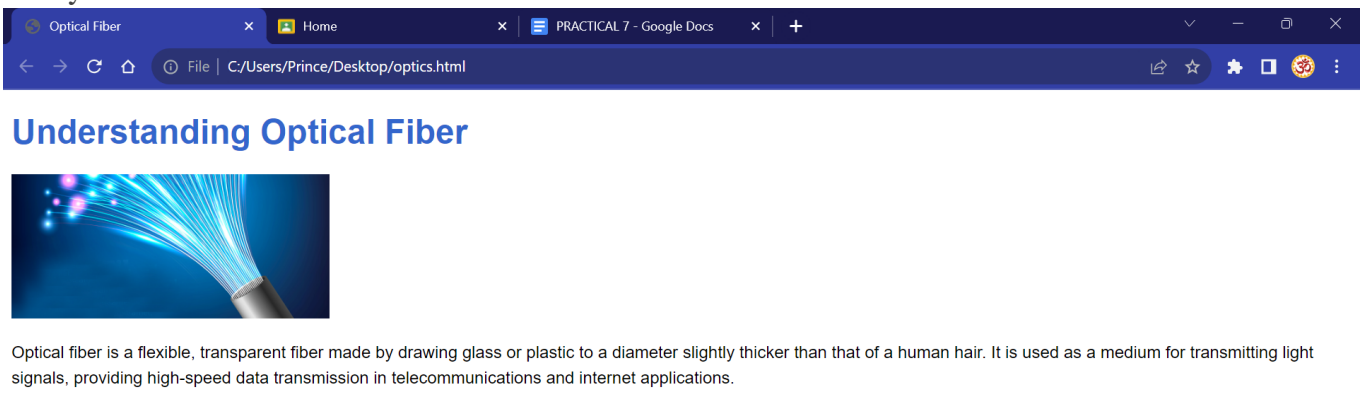
Headings

First, we shall tackle the headings. Check which part or the text was the main heading. In our example it is "Insect eating: The ultimate guide to eating crickets".

Place this text between h1 tags as shown below:

```
<h1>Understanding Optical Fiber</h1>
```

Save your work and check the result on the browser.



Paragraphs

For the paragraphs of text, place each paragraph of text between the `<p></p>` *html tags.*
Example:

```
<p>
        Optical fiber is a flexible, transparent fiber made by drawing glass or plastic to a diameter slightly thicker
        than that of a human hair. It is used as a medium for transmitting light signals, providing high-speed
        data transmission in telecommunications and internet applications.
    </p>
```

Understanding Optical Fiber

Optical fiber is a flexible, transparent fiber made by drawing glass or plastic to a diameter slightly thicker than that of a human hair. It is used as a medium for transmitting light signals, providing high-speed data transmission in telecommunications and internet applications.

Advantages of Optical Fiber:

- High Bandwidth
- Low Signal Loss
- Immunity to Electromagnetic Interference
- Lightweight and Flexible

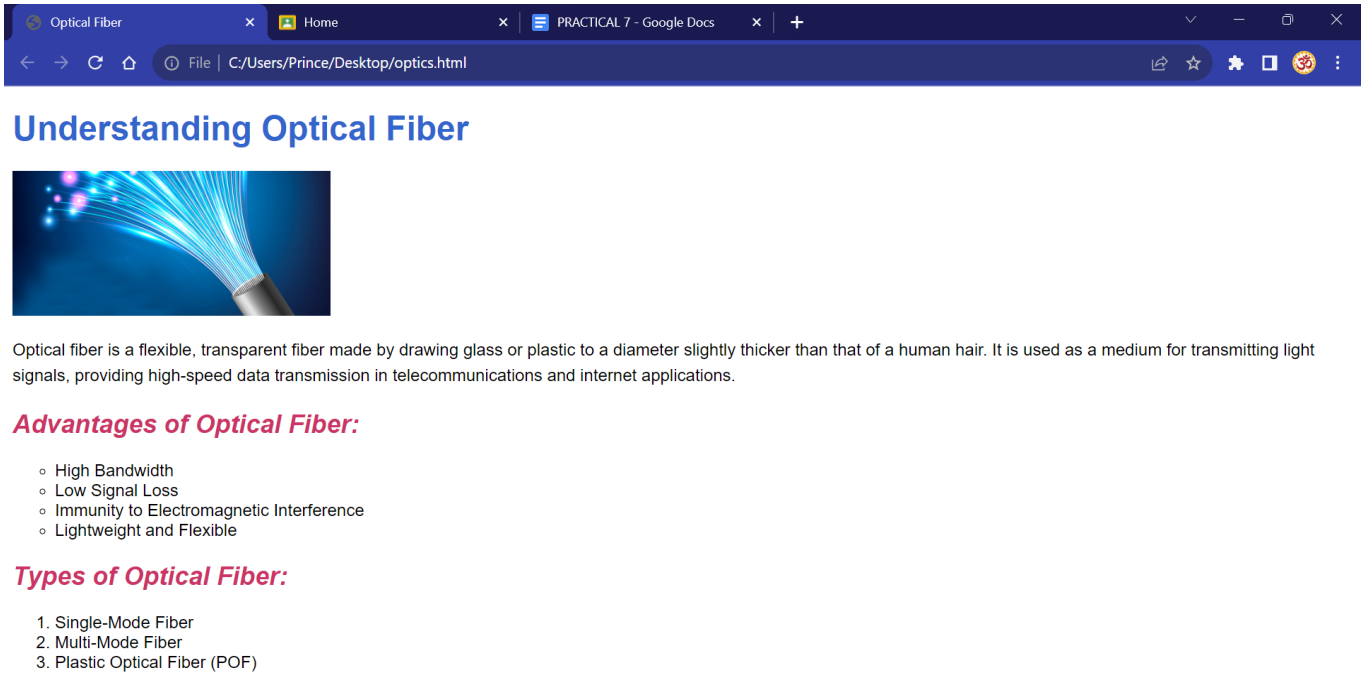
Types of Optical Fiber:

1. Single-Mode Fiber
2. Multi-Mode Fiber
3. Plastic Optical Fiber (POF)

Step 6: Add a List

Lists make reading a group of things easier on our eyes and brain. Lets add a bullet points type list:

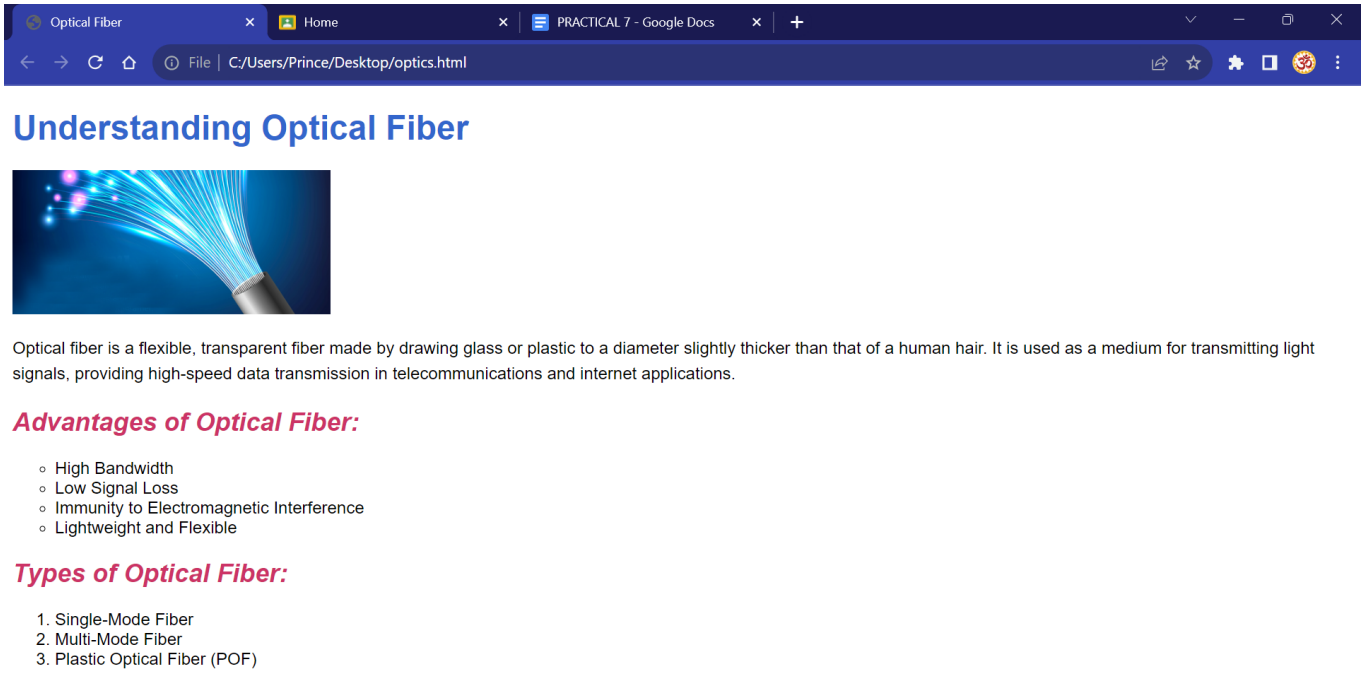
```
<ul>
      <li>High Bandwidth</li>
      <li>Low Signal Loss</li>
      <li>Immunity to Electromagnetic Interference</li>
      <li>Lightweight and Flexible</li>
   </ul>

   <h2>Types of Optical Fiber:</h2>

   <ol>
      <li>Single-Mode Fiber</li>
      <li>Multi-Mode Fiber</li>
      <li>Plastic Optical Fiber (POF)</li>
   </ol>
```



Step 7: Add Images

We are going to use the HTML's img tag <img src="URL" alt="Shown when image cannot load"> to add your images on the webpage.

```
<img src="optics.jpg" alt="Optical Fiber" class="fiber-image">
```



Step 8: Embed a Youtube Video

Search for relevant videos on youtube. Once you have found it, click on the share button/ link. You will get a popup. Click on the embed option

```
<iframe width="560" height="315"
src="https://www.youtube-nocookie.com/embed/77dOO5hvd58?si=k-nGHpbCpAoLcyOf"
title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write;
encrypted-media; gyroscope; picture-in-picture; web-share"
allowfullscreen>
</iframe>
```