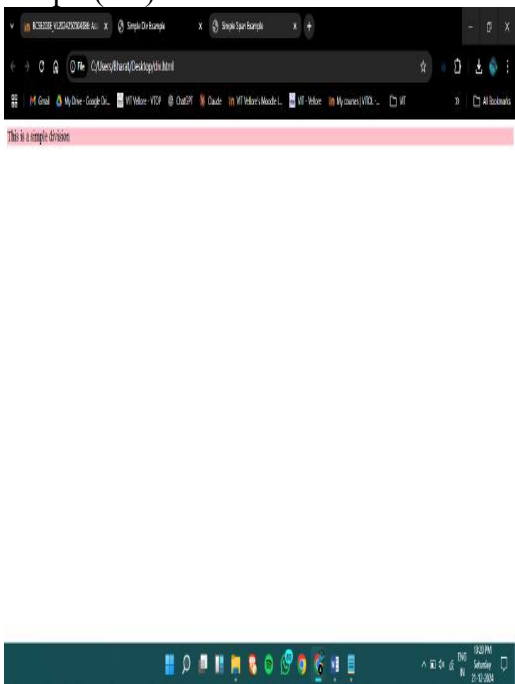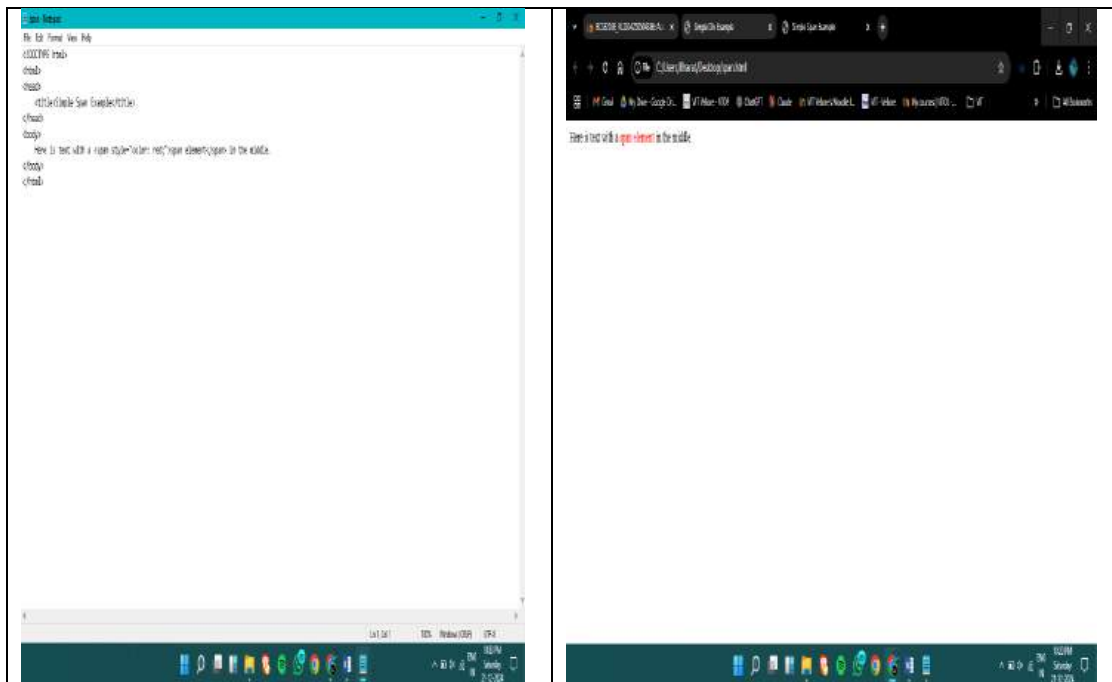# BCSE203E- Web Programming

Activity -21.1.2.2024

Trace the output for the following elements and infer the similarities and differences

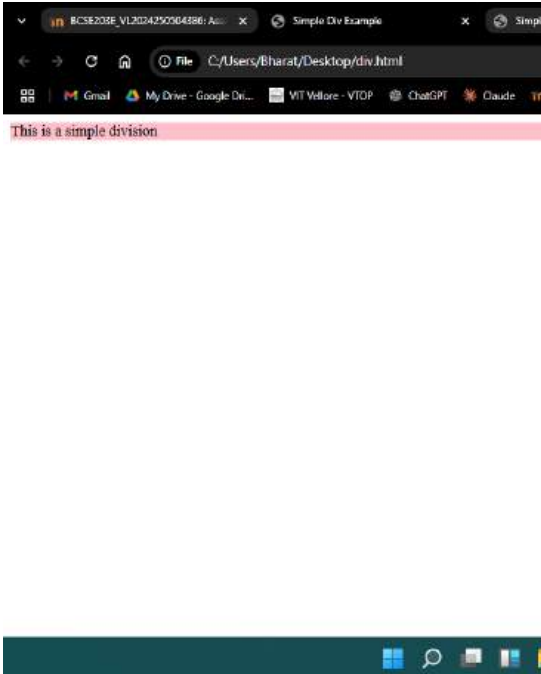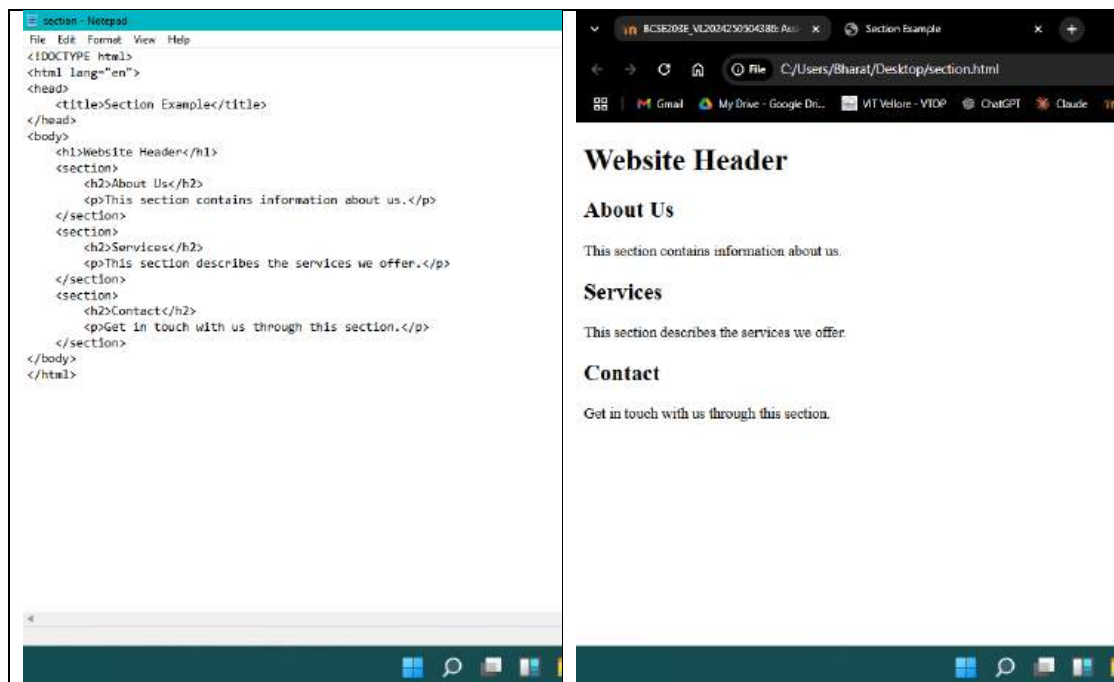1. Div and span

Screenshot code	Screenshot output
Div	Output(div)
Span	Output(span)

Div – Div is used to divide lines clearly(distinctive)
Span – Span is used when you want to highlight different elements of a text in the same line
Inference –
Div is used for layouts whereas Span is used for text division in the same line
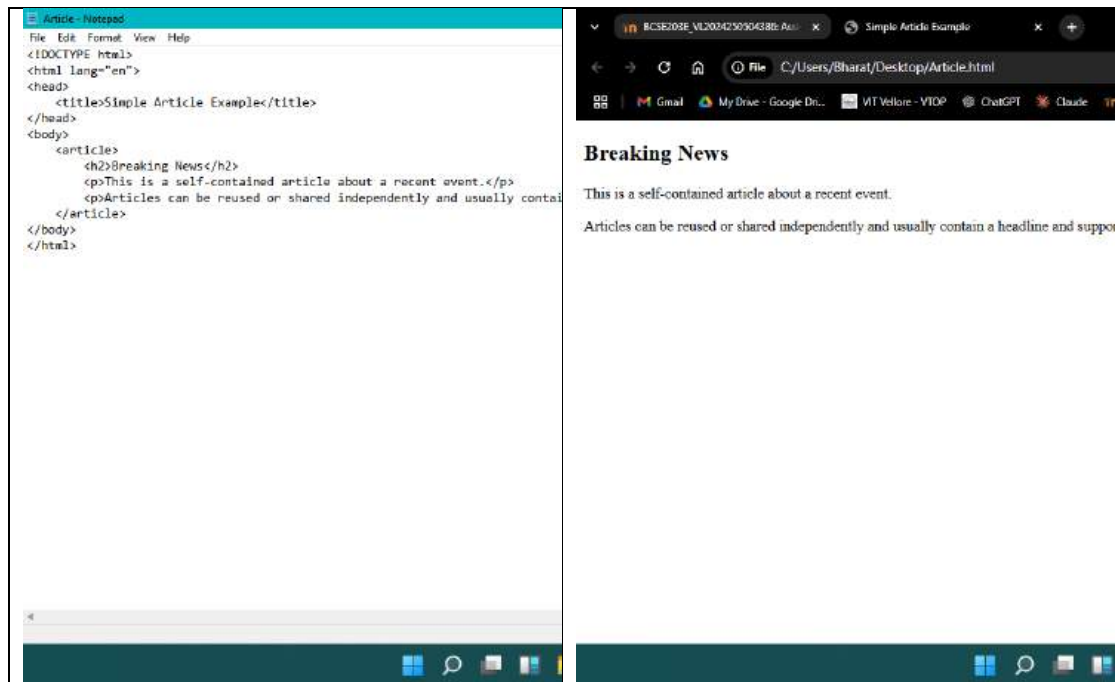
2. Div and section

Screenshot code	Screenshot output
Div code	Div output
Section code	Section Output

Div – division is used for dividing pages into sections
Section– section is used to divide text based on content for example about us ,contact
Inference –Section has semantic value(helpful for both developers and the users) ,div
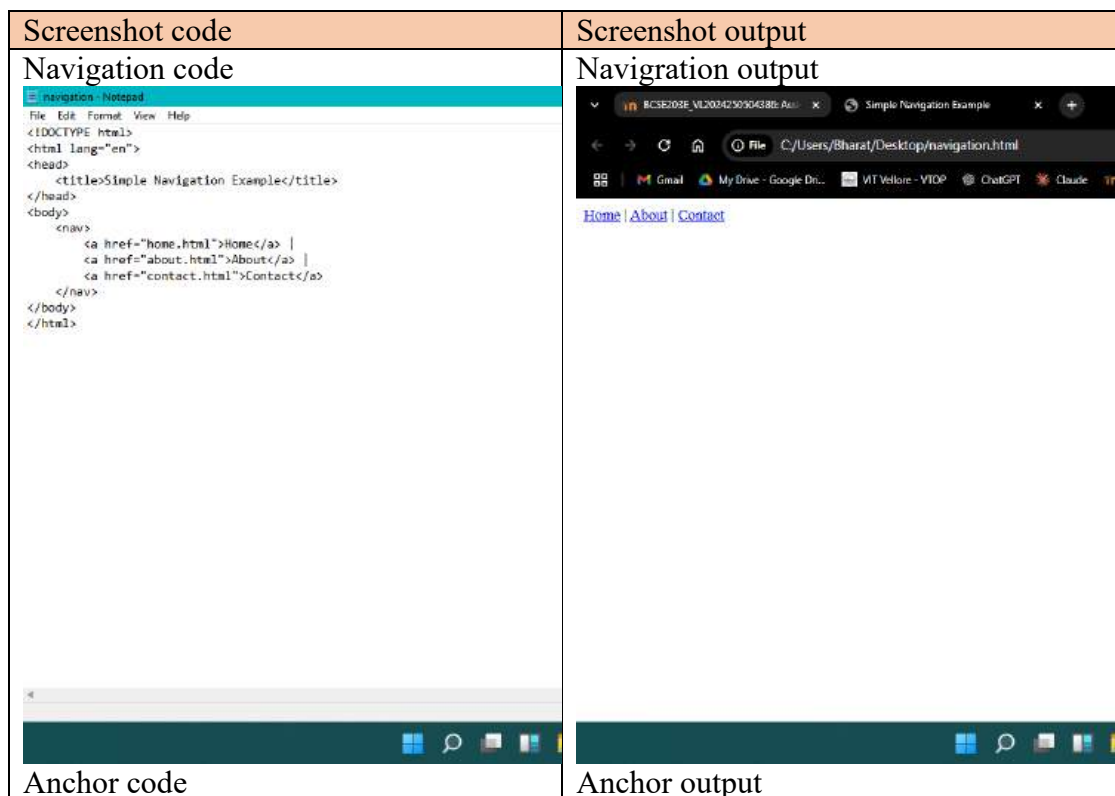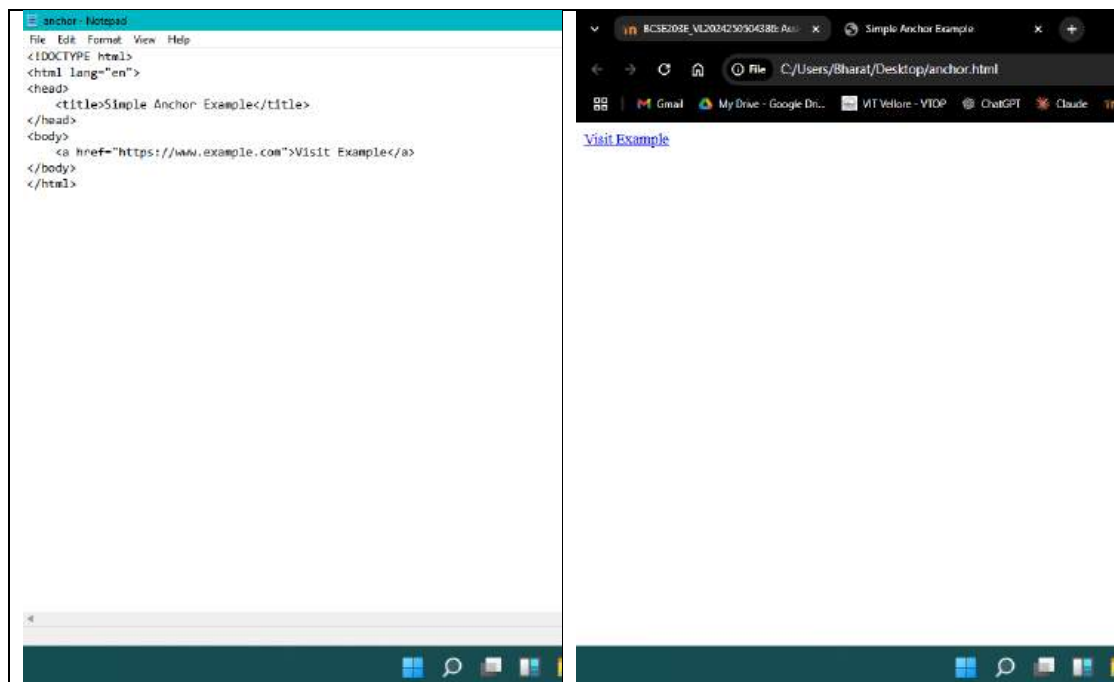is for general purpose

3. Paragraph and article

Screenshot code	Screenshot output
Paragraph Code	Paragraph output
Article code	Article output

Paragraph– it is a simple block of text
Article– it is a well thought of document with multiple paragraphs talking about a particular topic
Inference –article is more formal

4. Navigation and anchor

Screenshot code	Screenshot output
Navigation code	Navigation output
Anchor code	Anchor output

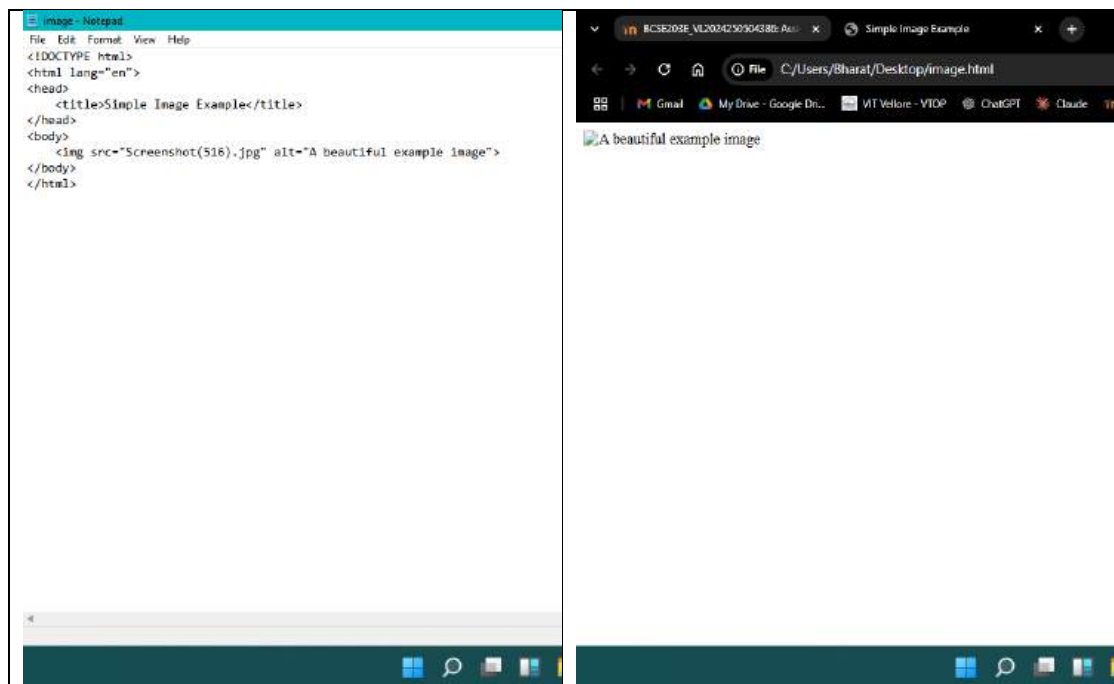| Screenshot code	Screenshot output

Navigation– it is used for sections,to navitage to about us etc
Anchor – It is used to refer to links(it contains individual links)
Inference –navigation is for complex tasks

5. Figure and image

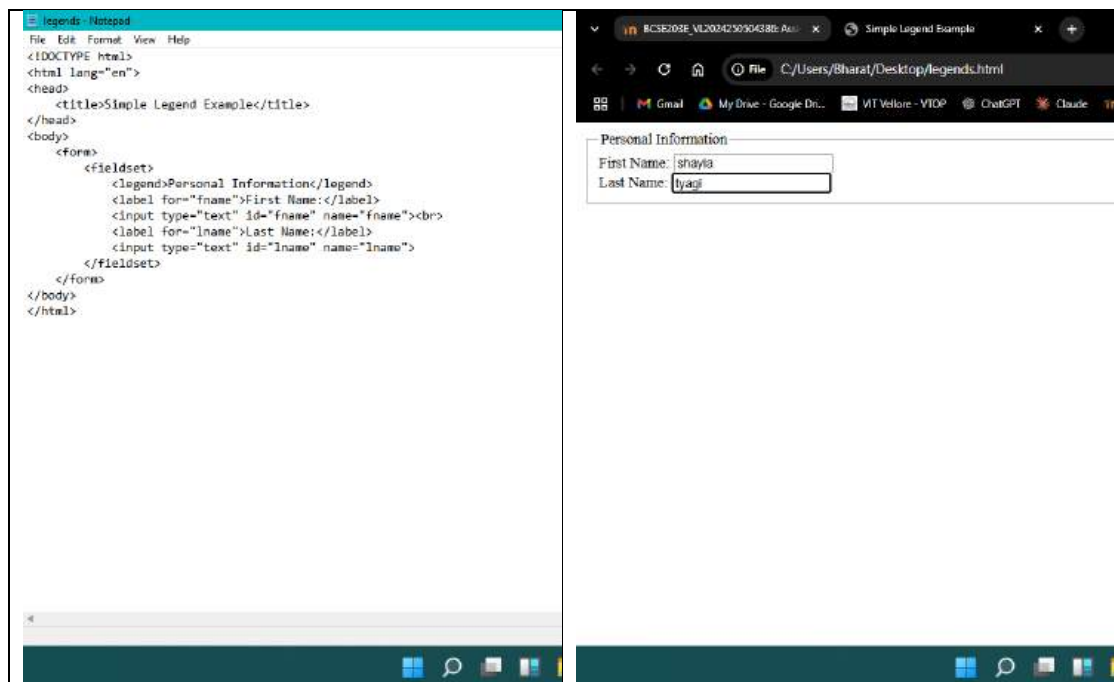| Screenshot code	Screenshot output
Figure code	Figure output
Image code	Image output

Figure– in a figure,we can caption it as well Image– in a image,we just attach one Inference –figure is used when we need context related to the image for reference	

6. Label and legends

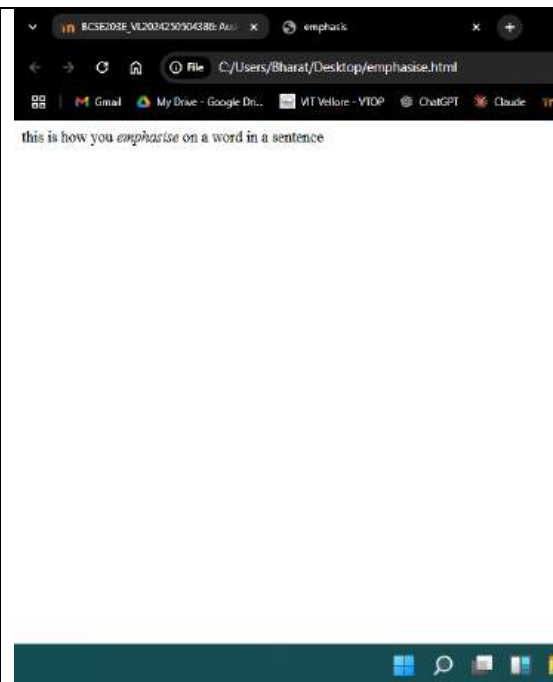| Screenshot code	Screenshot output
Label code	Label output
Legends code	Legends output

Label – it is used for a single to be filled Legends– it is used when we have to label multiple elements Inference –to provide a collective title we use legends	

7. Strong vs bold vs emphasis tag

Screenshot code	Screenshot output
Strong code	Strong output
	  This is a **strong** statement
Emphasis code	Emphasis output

Emphasis code
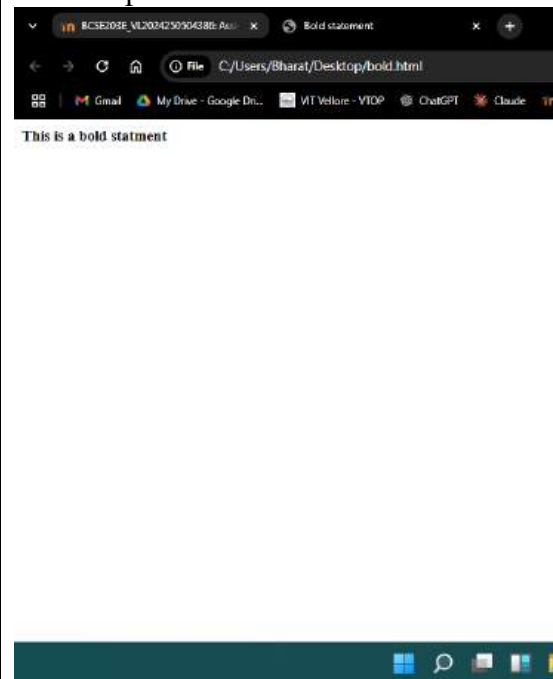
```
emphasise - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>
<title>
emphasis
</title>
<head>
<body>
this is how you <em> emphasise</em> on a word in a sentence
</body>
</head>
</html>
```


Emphasis output

this is how you *emphasise* on a word in a sentence

Bold code

```
bold - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>
<title>
Bold statement
</title>
<head>
<body>
<b>This is a bold statment</b>

</body>
</head>
</html>
```

Bold output

This is a bold statment

Strong– for warnings ,important highlights between texts

Emphasis– it is used to stress on certain words(the word appears italic),the reading notion changes

Bold-bold has no semantic meaning, it is for visuals

Inference –they all have different applications