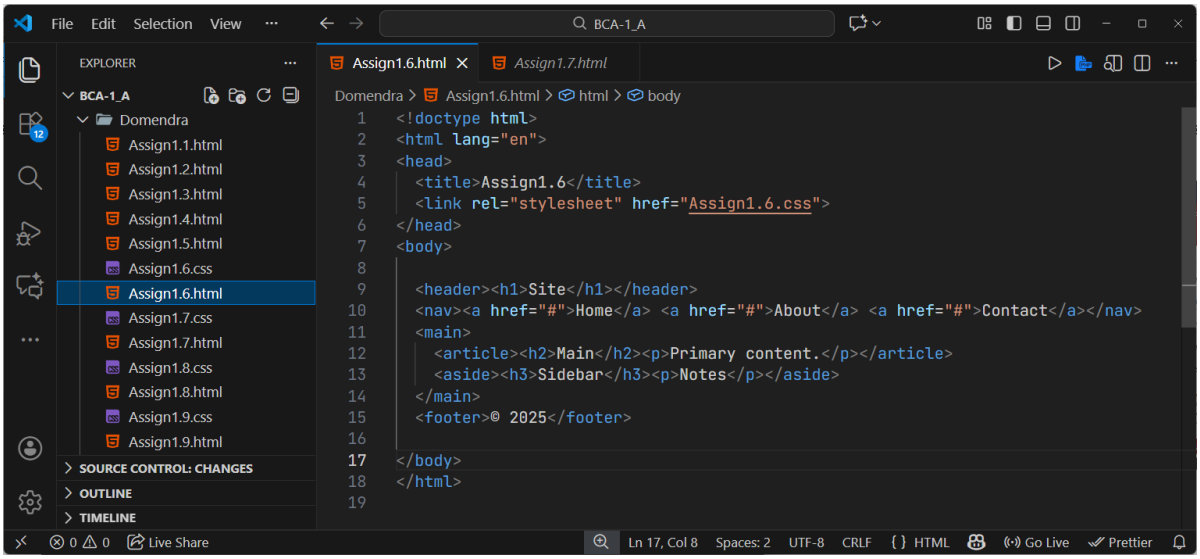
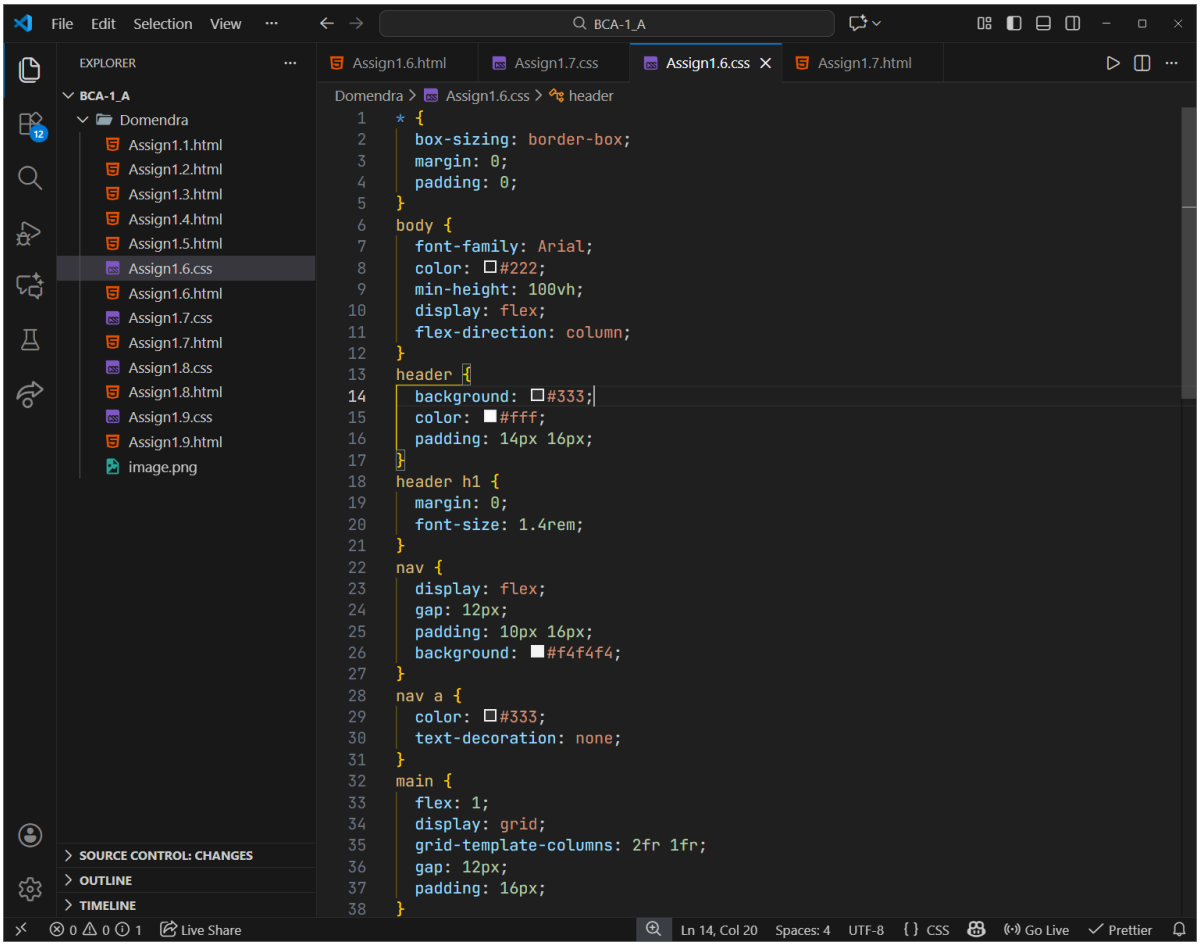
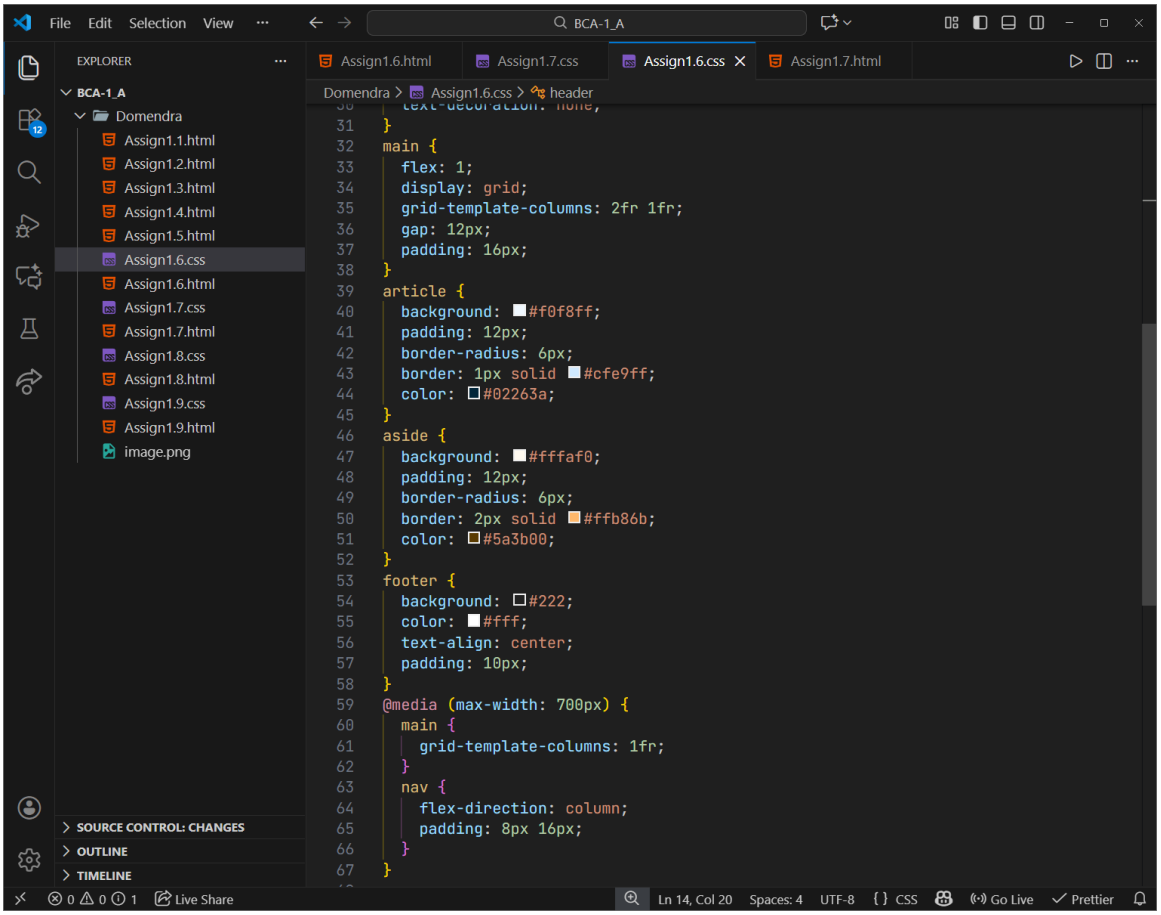
2.1. Styling a Web Page Layout: Create a simple web page using HTML and CSS that includes a header, navigation bar, main content, and footer.

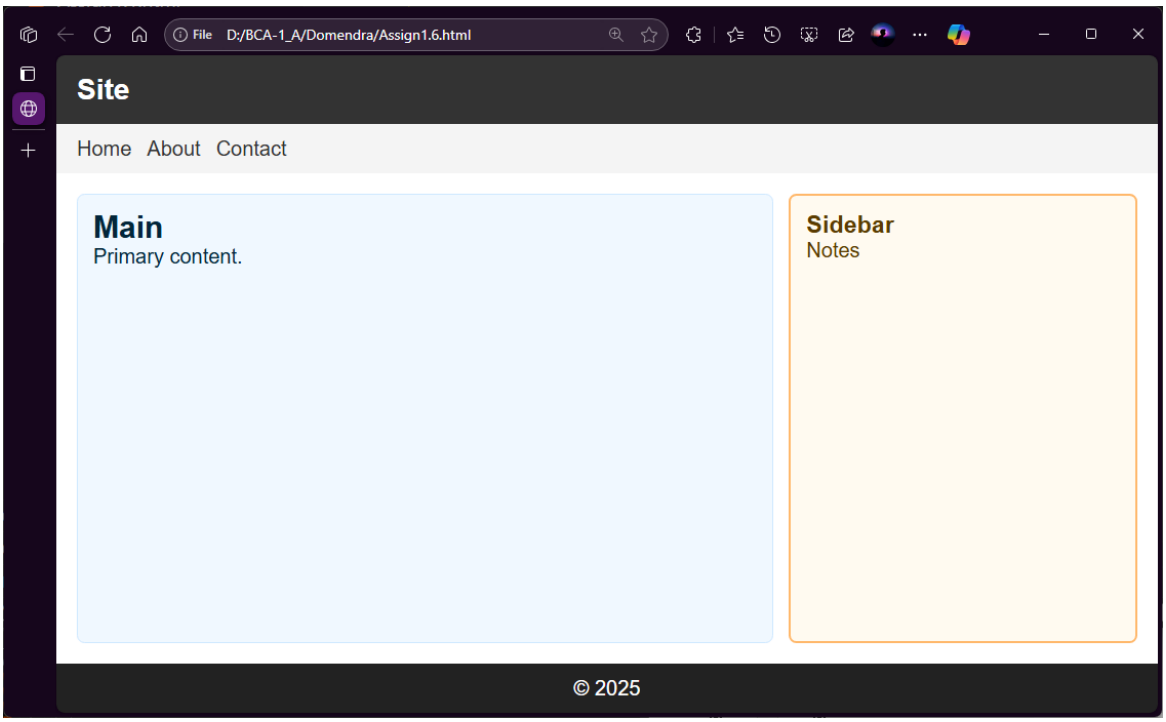
Code:






File Edit Selection View
BCA-1_A
EXPLORER
Assign1.6.html
Assign1.7.css
Assign1.6.css
Assign1.7.html
Domendra > Assign1.6.css > header
BCA-1_A
Domendra
Assign1.1.html
Assign1.2.html
Assign1.3.html
Assign1.4.html
Assign1.5.html
Assign1.6.css
Assign1.6.html
Assign1.7.css
Assign1.7.html
Assign1.8.css
Assign1.8.html
Assign1.9.css
Assign1.9.html
image.png
SOURCE CONTROL: CHANGES
OUTLINE
TIMELINE
31 }
32 main {
33 flex: 1;
34 display: grid;
35 grid-template-columns: 2fr 1fr;
36 gap: 12px;
37 padding: 16px;
38 }
39 article {
40 background: #f0f8ff;
41 padding: 12px;
42 border-radius: 6px;
43 border: 1px solid #cfe9ff;
44 color: #02263a;
45 }
46 aside {
47 background: #fffaf0;
48 padding: 12px;
49 border-radius: 6px;
50 border: 2px solid #ffb86b;
51 color: #5a3b00;
52 }
53 footer {
54 background: #222;
55 color: #fff;
56 text-align: center;
57 padding: 10px;
58 }
59 @media (max-width: 700px) {
60 main {
61 grid-template-columns: 1fr;
62 }
63 nav {
64 flex-direction: column;
65 padding: 8px 16px;
66 }
67 }
Live Share
Ln 14, Col 20
Spaces: 4
UTF-8
CSS
Go Live
Prettier

Output:

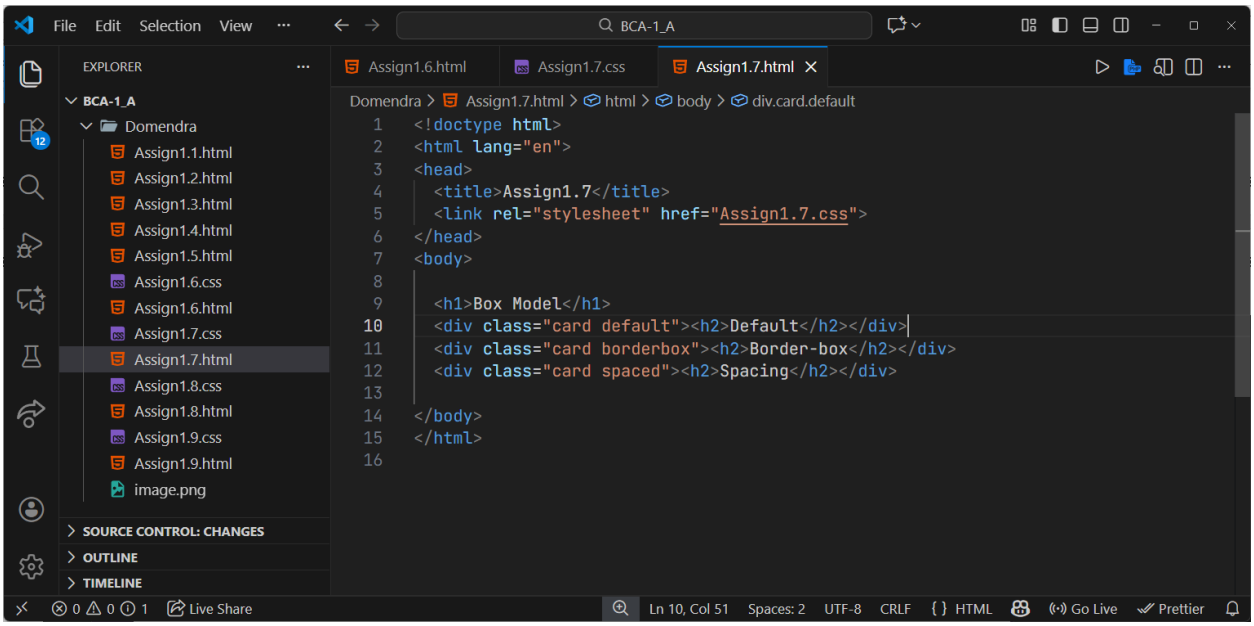

File D:/BCA-1_A/Domendra/Assign1.6.html
Site
Home About Contact
Main
Primary content.
Sidebar
Notes
© 2025

2.2. CSS Box Model & Spacing

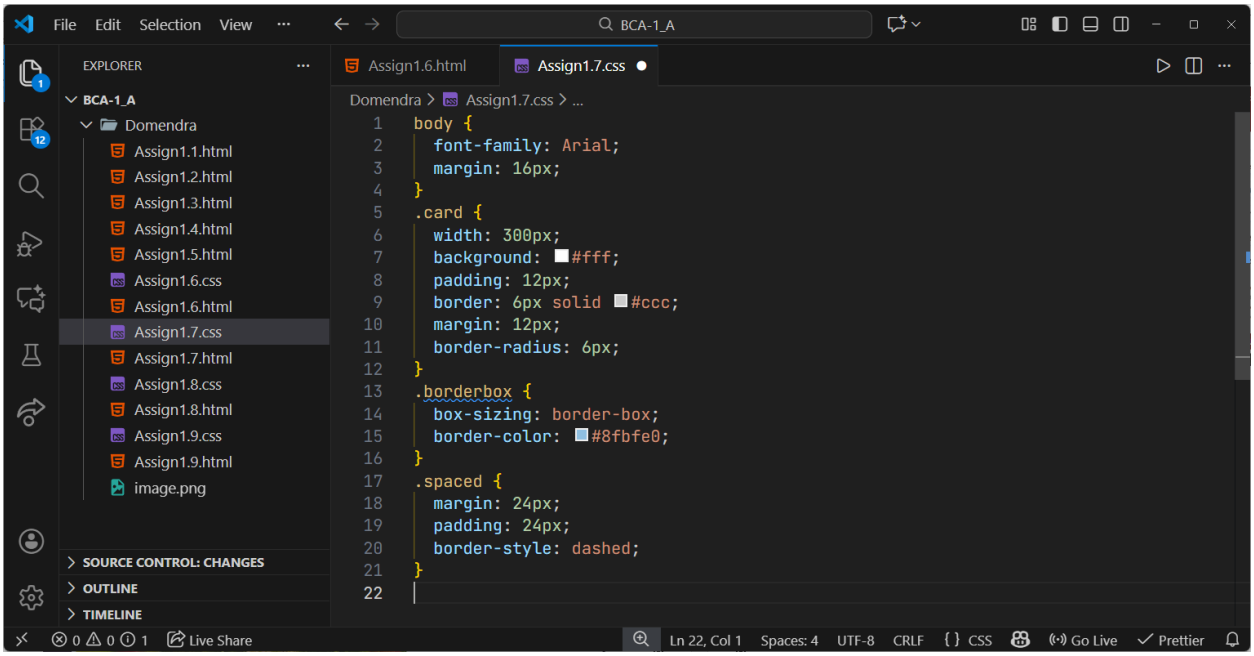
Design a card layout using div elements to demonstrate the box model.

Code:

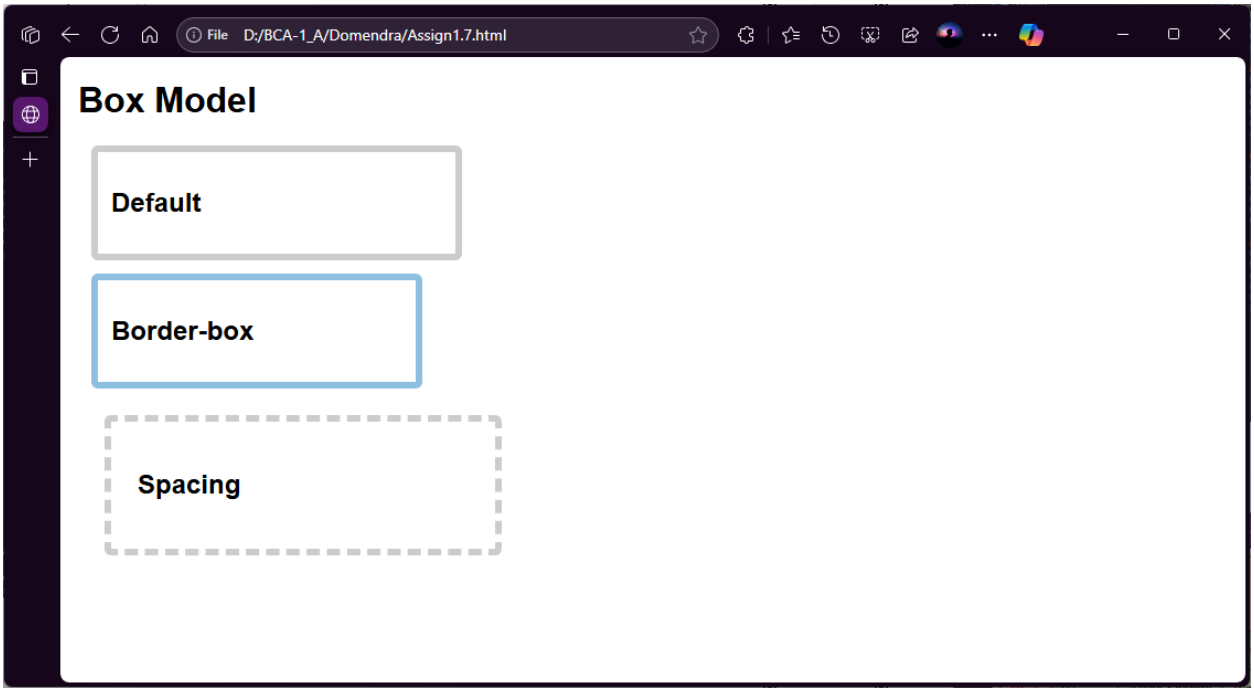
HTML



CSS



Output:


File D:/BCA-1_A/Domendra/Assign1.7.html
Box Model
Default
Border-box
Spacing

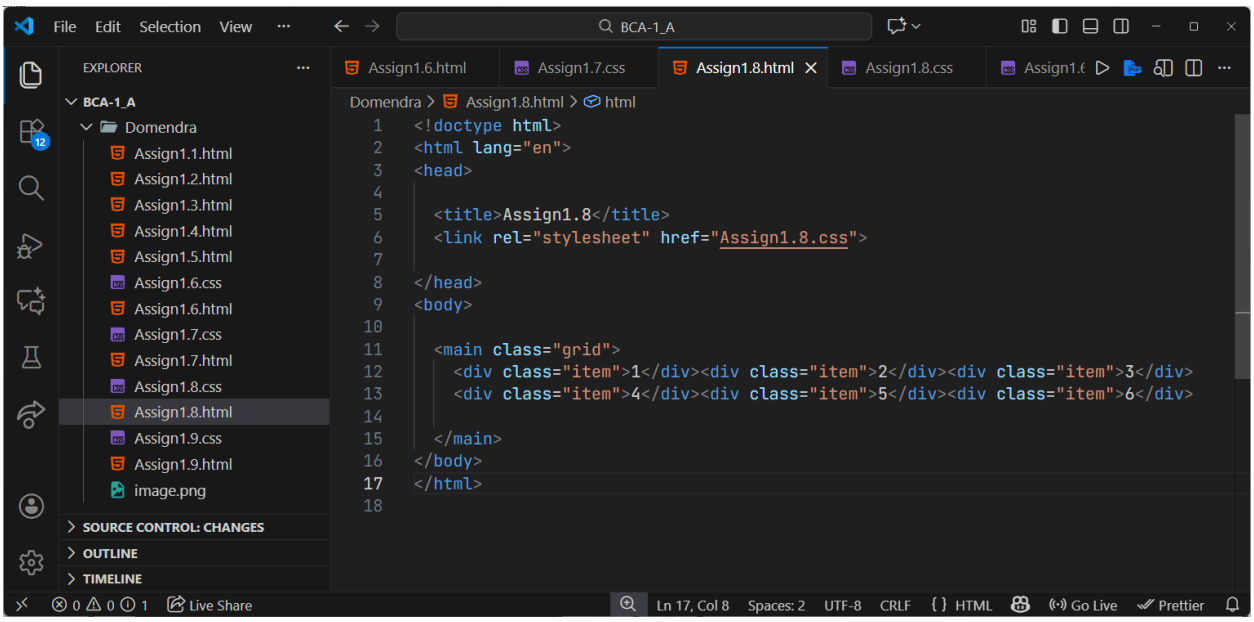
2.3. Create a webpage that adjusts its layout based on screen size using CSS media queries.

Requirements:

- On large screens: Display three columns.
- On tablets: Display two columns.
- On mobile: Display one column.
- Add different background colors for each view.

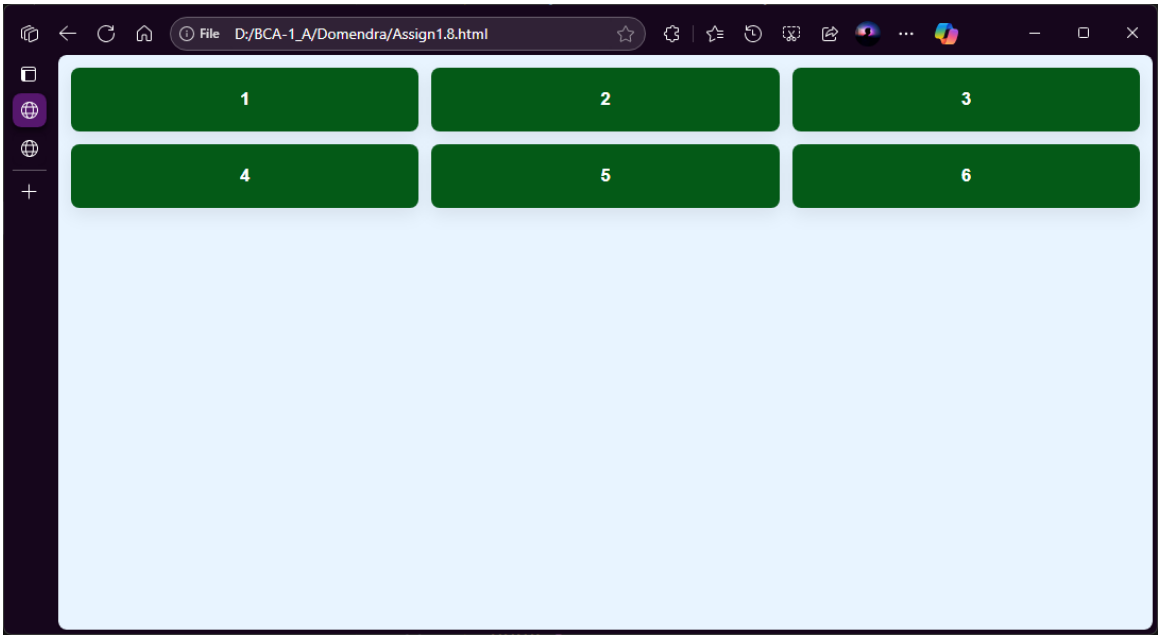
Code:

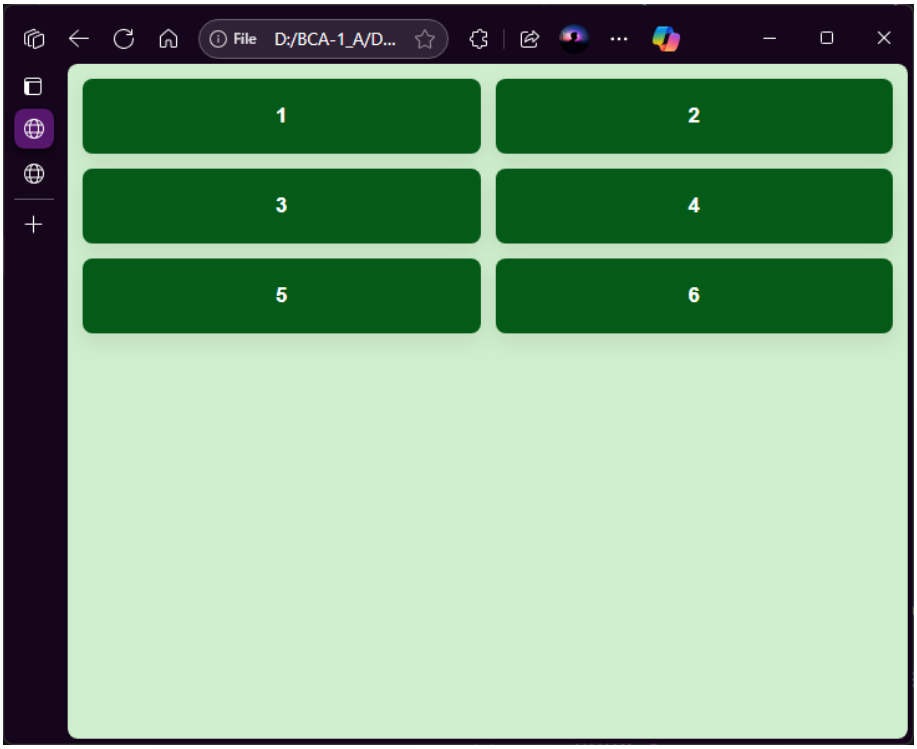
HTML

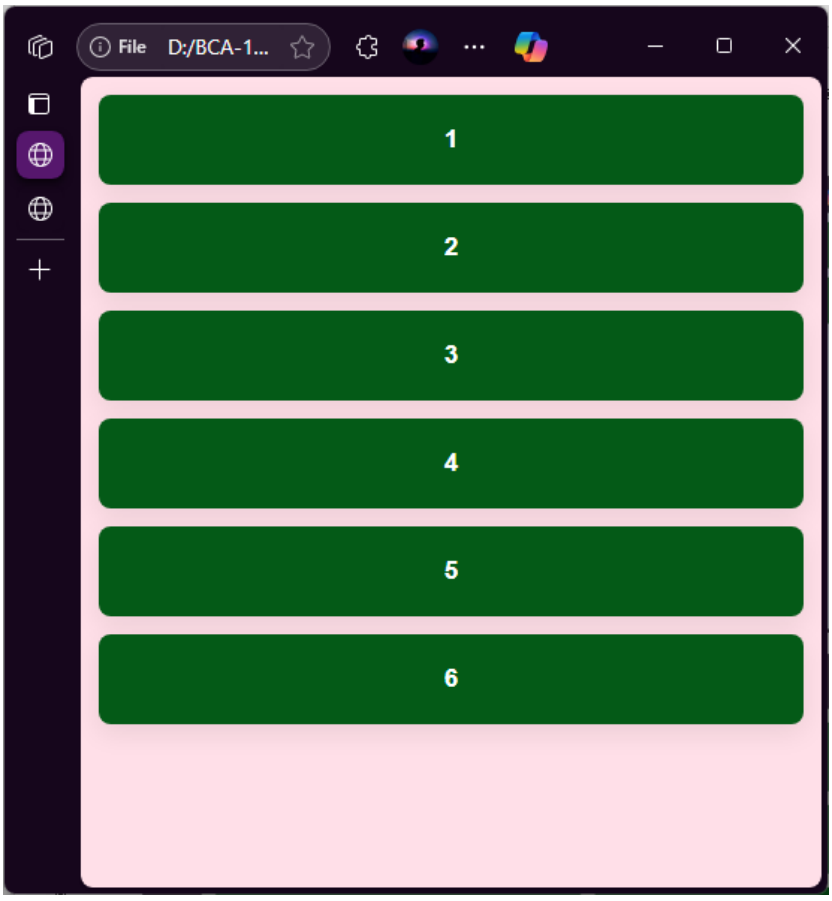


```css
body {
  font-family: Arial;
  margin: 0;
  padding: 12px;
  background: #e8f4ff;
  color: #111;
}
.grid {
  display: grid;
  grid-template-columns: repeat(3, 1fr);
  gap: 12px;
}
.item {
  padding: 20px;
  background: #045a17;
  color: #fff;
  border-radius: 8px;
  text-align: center;
  font-weight: 700;
  font-size: 1.05rem;
  box-shadow: 0 6px 18px rgba(0, 0, 0, 0.08);
}
@media (max-width: 1024px) {
  .grid {
    grid-template-columns: repeat(2, 1fr);
  }
  body {
    background: #cfeecd;
  }
}
@media (max-width: 600px) {
  .grid {
    grid-template-columns: 1fr;
  }
  body {
    background: #ffdfe8;
  }
}
```

Output:




File D:/BCA-1_A/D...
1
2
3
4
5
6


File D:/BCA-1...
1
2
3
4
5
6

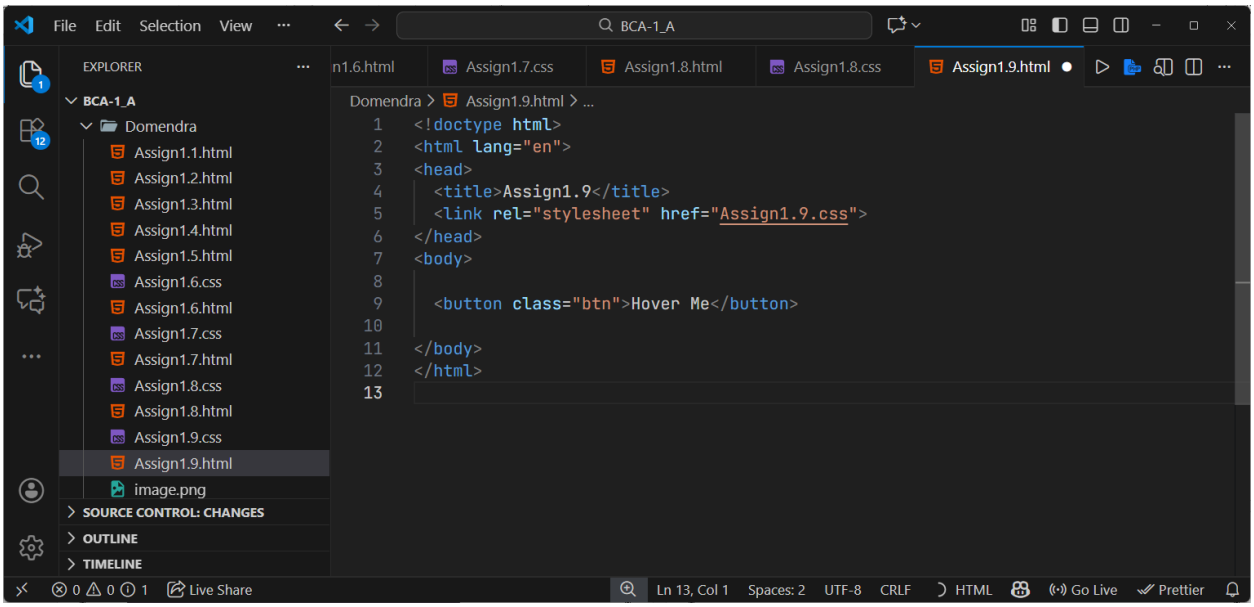
2.4. CSS Animations and Transitions

Create an animated button using CSS.

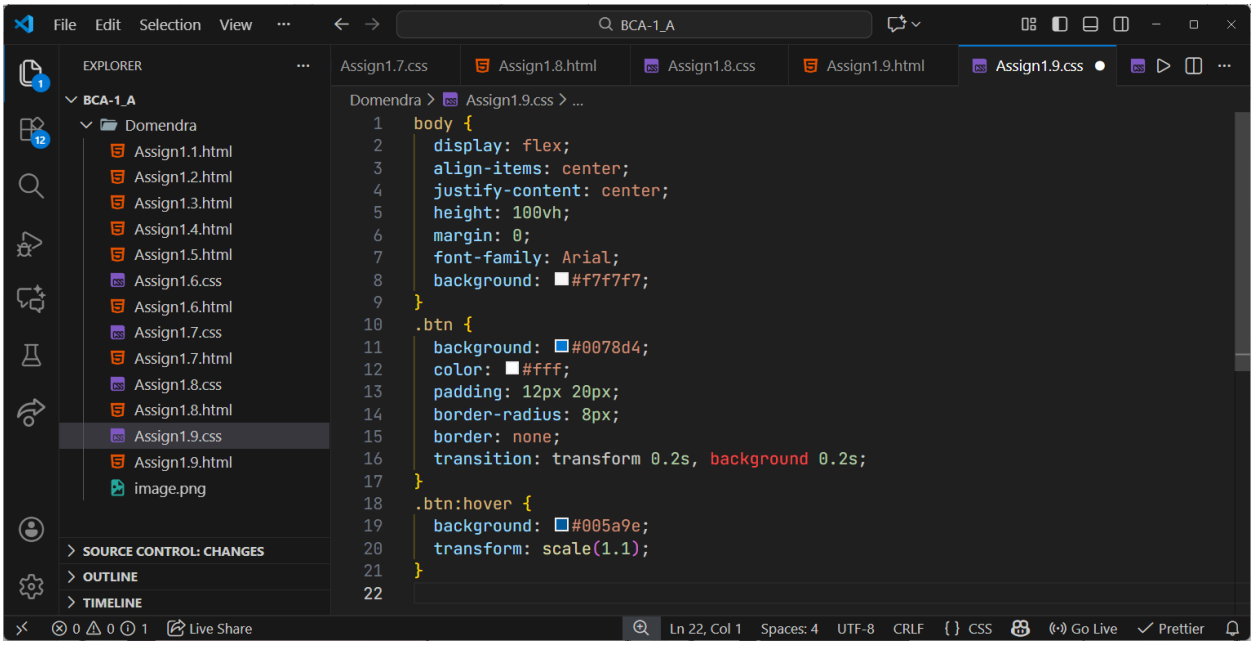
Requirements: On hover, the button should smoothly change color and increase in size.

Code:

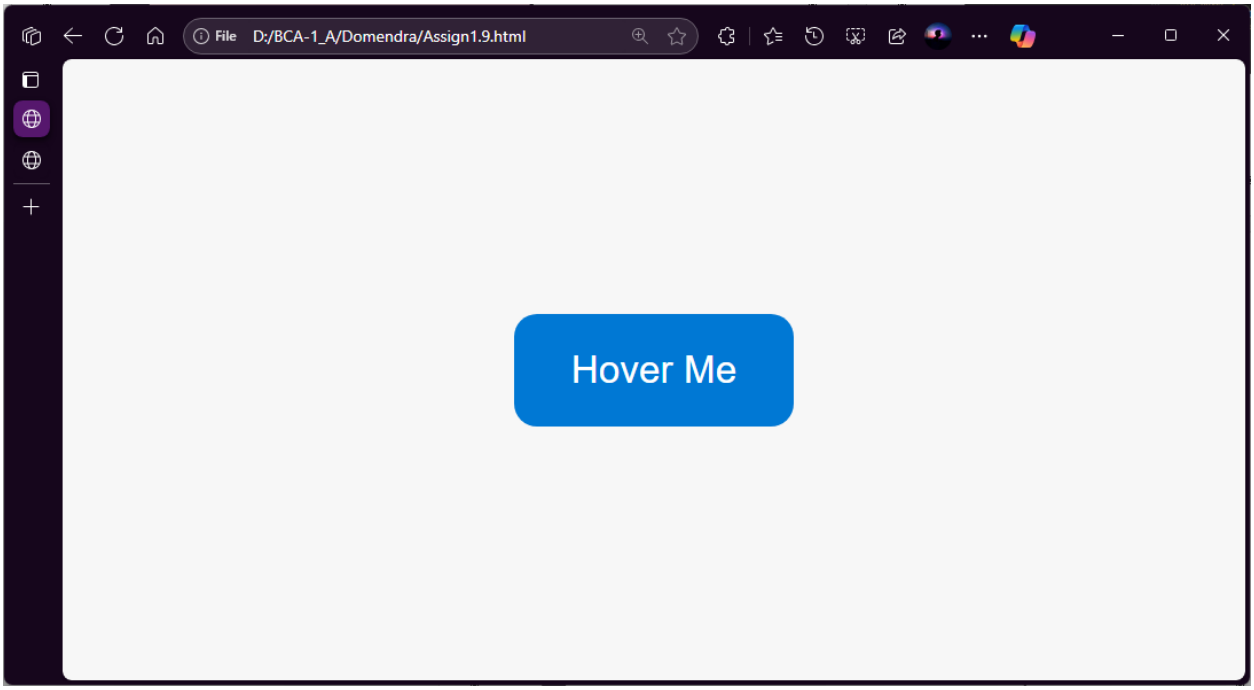
HTML

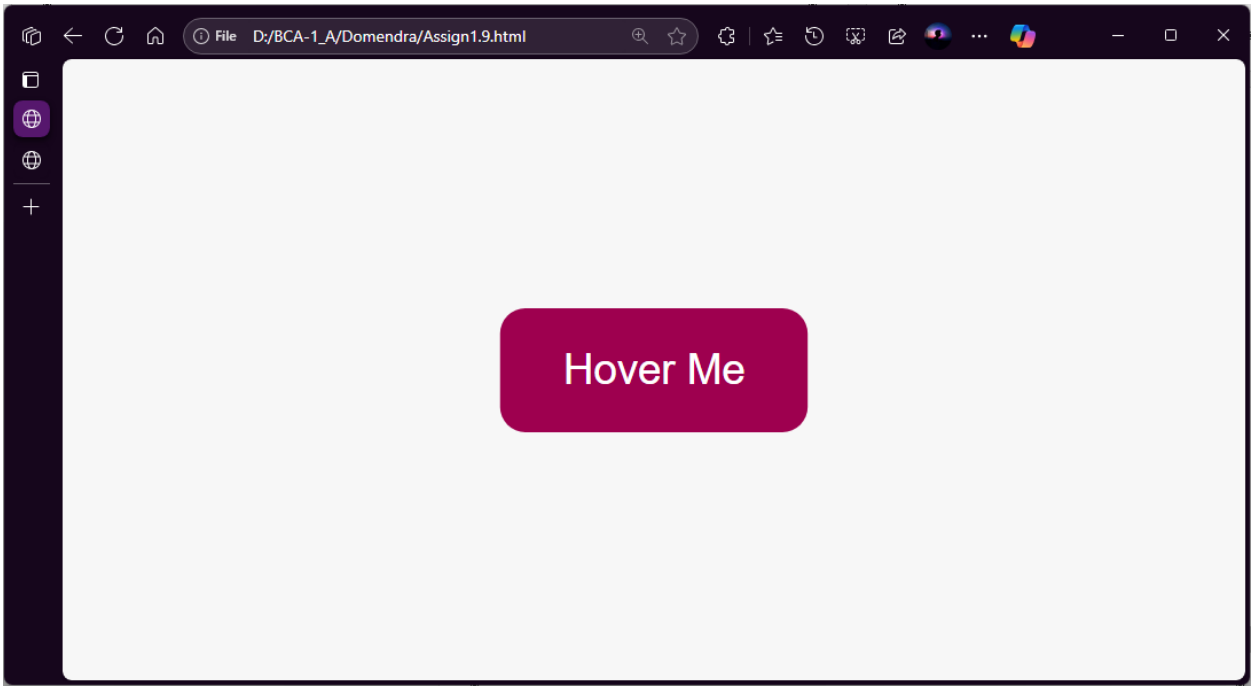


CSS



Output:


File D:/BCA-1_A/Domendra/Assign1.9.html
Hover Me


File D:/BCA-1_A/Domendra/Assign1.9.html
Hover Me