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## Web Programming Lab - Exp 3

26-01-2026 class work

Instructions index.html styles.css Console Preview

**Step 2**

Add a `header` element within the `body` element and assign a class of `header` to it.

Inside the `header`, create an `h1` with `css flexbox photo gallery` as the text.

```
index.html
1 <!DOCTYPE html>
2 <html>
3   <head lang="en">
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width,
initial-scale=1.0">
6     <title>Photo Gallery</title>
7     <link rel="stylesheet" href="./styles.css">
8   </head>
9   <body>
10    <header class="header">
11      <h1>css flexbox photo gallery</h1>
12    </header>
13  </html>
```

✓ Congratulations. Your code passes.

**css flexbox photo gallery**

Instructions index.html styles.css Console Preview

**Step 5**

In order to better visualize how your elements are sized, adding a border can be helpful.

Give your `.gallery` element a `width` of `50%` and a `border` set to `5px solid red`.

Then give your `img` elements a `width` of `100%`, `padding` set to `5px`, and a `border` set to `5px solid blue`.

```
index.html
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width,
initial-scale=1.0">
6     <title>Photo Gallery</title>
7     <link rel="stylesheet" href="./styles.css">
8   </head>
9   <body>
10    <header class="header">
11      <h1>css flexbox photo gallery</h1>
12    </header>
13    <div class="gallery">
14        
3  <head>  
4  <meta charset="UTF-8">  
5  <title>Pricing Plans</title>  
6  <style>  
7  body{font-family:'Segoe UI',Tahoma, Geneva, Verdana, sans-serif;padding:40px;background-color: #f0f2f5;color:#333;}  
8  h1{text-align:center;margin-bottom:50px;font-weight:700;color:#1a20c;}  
9  .pricing-container{display:flex;flex-wrap:wrap;gap:20px;justify-content:center;align-items:stretch;max-width:1000px;margin:0 auto;}  
10 .pricing-card{display:flex;flex-direction:column;justify-content:space-between;flex:0 0 220px;padding:30px;background-color: #white;  
11   text-align:center;min-height:250px;border-radius:15px;box-shadow:0 4px 15px #rrrrrr;transition:transform 0.3s ease,box-shadow 0.3s ease; border:none;}  
12 .pricing-card:hover{transform:translateY(-5px);box-shadow:0 12px 20px #rrrrrr;}  
13 .basic-plan{order:0; border-top:5px solid #a0aec0;}  
14 .pro-plan{order:1;flex-grow:2; border-top:5px solid #4299e1; transform:scale(1.05);z-index:1;box-shadow:0 10px 25px #rrrrrr; background-color: #66153225,0.2;}  
15 .pro-plan:hover{transform:scale(1.07) translateY(-5px);}  
16 .premium-plan{order:2; border-top:5px solid #805ad5;}  
17 h2{margin:0;font-size:1.5rem;color:#2d3748;letter-spacing:1px;}  
18 p{font-size:2rem;font-weight:800; margin:20px 0; color:#1a20c;}  
19 p span{font-size:0.9rem;font-weight:400; color:#718096;}  
20 .btn{margin-top:20px;padding:12px; background:#4299e1; color:#fff;text-decoration:none; border-radius:8px; font-weight:600; font-size:0.9rem;}  
21 .basic-plan .btn{background:#718096;}  
22 .premium-plan .btn{background:#805ad5;}
```

```

24 </style>
25 </head>
26 <body>
27   <h1>Pricing Plans</h1>
28   <div class="pricing-container">
29     <div class="pricing-card basic-plan">
30       <h2>Basic</h2>
31       <p>$9<span>/month</span></p>
32       <div style="font-size:0.85rem;color:#718096;">Standard Features<br>Email Support</div>
33       <a href="#" class="btn">Start Basic</a>
34     </div>
35     <div class="pricing-card pro-plan">
36       <div style="background:#4299e1;color:white;font-size:0.7rem;padding:4px 0;border-radius:20px;width:100px;margin:0 auto 15px;text-transform:uppercase;font-weight:bold;">Most Popular</div>
37       <h2>Pro</h2>
38       <p>$19<span>/month</span></p>
39       <div style="font-size:0.85rem;color:#718096;">Priority Support<br>Advanced Analytics<br>Team Access</div>
40       <a href="#" class="btn">Go Pro</a>
41     </div>
42     <div class="pricing-card premium-plan">
43       <h2>Premium</h2>
44       <p>$29<span>/month</span></p>
45       <div style="font-size:0.85rem;color:#718096;">24/7 Phone Support<br>Unlimited Storage<br>Custom Branding</div>
46       <a href="#" class="btn">Get Premium</a>
47     </div>
48   </div>
49 </div>
50 </body>
51 </html>

```

## Pricing Plans

Plan	Price	Features	Action
Basic	\$9/month	Standard Features Email Support	<a href="#">Start Basic</a>
Pro	\$19/month	Priority Support Advanced Analytics Team Access	<a href="#">Go Pro</a>
Premium	\$29/month	24/7 Phone Support Unlimited Storage Custom Branding	<a href="#">Get Premium</a>

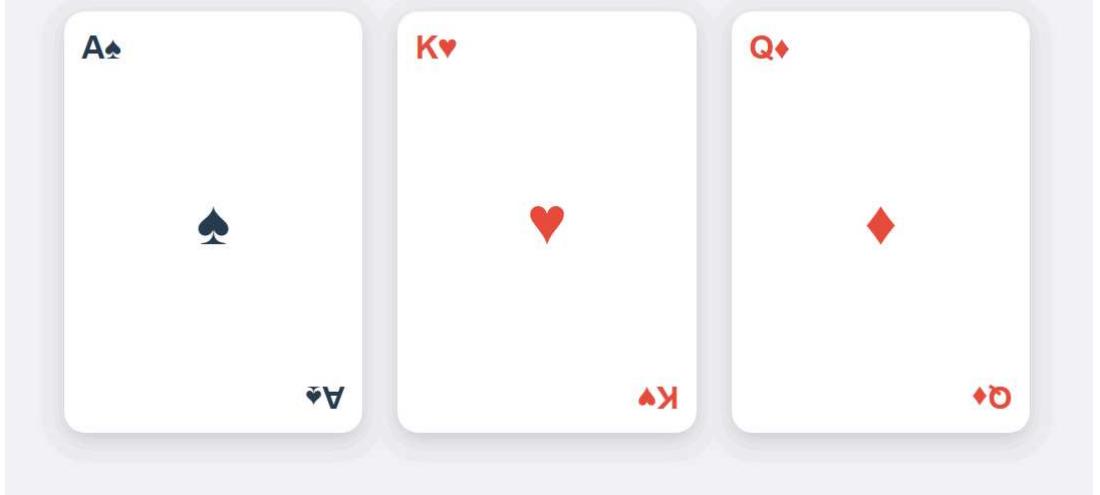
## 2. Build a Page of Playing Cards

```

C:\Users\HP\Downloads> part-2_PlayingCards.html ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>Playing Cards</title>
7    <style>
8      body{margin:0;font-family:sans-serif;background:#f0f0f5;display:flex;flex-direction:column;align-items:center;min-height:100vh}
9      h1{margin:20px 0;color:#0a0a23;text-transform:uppercase;letter-spacing:2px}
10     #playing-cards{display:flex;flex-wrap:wrap;justify-content:center;gap:20px} .card{display:flex;flex-direction:column;justify-content:space-between;width:150px;height:220px;padding:10px;border-radius:12px;background:#fff;box-shadow:0 4px 12px rgba(0,0,0,0.15);font-weight:bold;color:#333;position:relative}.left,.right{font-size:18px}.right{align-self:flex-end;transform:rotate(180deg)}.middle{display:flex;flex-direction:column;align-items:center;justify-content:center;font-size:36px}.red{color:#e74c3c}.black{color:#2c3e50}
11    </style>
12  </head>
13  <body>
14    <h1>Playing Cards</h1>
15    <main id="playing-cards">
16      <div class="card"><div class="left black">A</div><div class="middle black">A</div><div class="right black">A</div></div>
17      <div class="card"><div class="left red">K</div><div class="middle red">K</div><div class="right red">K</div></div>
18      <div class="card"><div class="left red">Q</div><div class="middle red">Q</div><div class="right red">Q</div></div>
19    </main>
20  </body>
21  </html>

```

# PLAYING CARDS



## 3. Build a Technical Documentation Page

```
C:\Users>HP>Downloads> part-3_TechnicalDoc.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="UTF-8">
5  <meta name="viewport" content="width=device-width, initial-scale=1.0">
6  <title>Technical Documentation</title>
7  <style>
8  body{margin:0;font-family:'Segoe UI',sans-serif;display:flex;background:#f0f2f5;color:#222}
9  #navbar{position:fixed;left:0;top:0;width:220px;height:100vh;padding:20px;background:#1b1f3b;color:#fff;overflow:auto}
10 #navbar header{font-size:22px;margin-bottom:20px;text-transform:uppercase;letter-spacing:1px}#navbar a{display:block;color:#fdb347;
11   text-decoration:none;margin:6px 0;padding:4px;border-radius:4px;transition:0.2s}#navbar a:hover{background:#fdb347;color:#1b1f3b}
12   #main-doc{margin-left:240px;padding:30px;flex:1}section{margin-bottom:40px;background:#fff;padding:20px;border-radius:12px;
13   box-shadow:0 4px 15px rgba(0,0,0,0.1)}section header{font-size:24px;margin-bottom:12px;color:#0a0a23}p{margin:10px 0;
14   line-height:1.6}code{background:#f4f4f4;padding:2px 6px;border-radius:5px;font-family:monospace;color:#c725ae}
15   ul{margin:10px 0 10px 20px}li{margin:5px 0}@media(max-width:768px){#navbar{position:static;width:100%;height:auto}
16   #main-doc{margin-left:0;padding:20px}}
17 </style>
18 </head>
19 <body>
20 <nav id="navbar">
21 <header>JS Docs</header>
22 <a class="nav-link" href="#Introduction">Introduction</a>
23 <a class="nav-link" href="#Variables_and_Constants">Variables and Constants</a>
24 <a class="nav-link" href="#Functions">Functions</a>
25 <a class="nav-link" href="#Loops">Loops</a>
26 <a class="nav-link" href="#Objects">Objects</a>
27 </nav>
28 <main id="main-doc">
29 <section class="main-section" id="Introduction">
30 <header>Introduction</header>
```

```
31 <p>JavaScript is a versatile programming language used for web development.</p>
32 <p>It allows dynamic interaction on webpages and supports multiple paradigms.</p>
33 <p>It runs in browsers and on servers using Node.js.</p>
34 <code>console.log("Hello World");</code>
35 <p>JS supports variables, functions, objects, loops, and more.</p>
36 <ul><li>Easy to learn</li><li>Dynamic typing</li><li>Event-driven</li></ul>
37 </section>
38 <section class="main-section" id="Variables_and_Constants">
39 <header>Variables and Constants</header>
40 <p>Variables store data values using <code>var</code>, <code>let</code>, or <code>const</code>.</p>
41 <p>Use <code>const</code> for values that should not change.</p>
42 <code>let name = "Alice";</code>
43 <code>const pi = 3.14;</code>
44 <ul><li>var: function scoped</li><li>let: block scoped</li><li>const: block scoped, read-only</li></ul>
45 </section>
46 <section class="main-section" id="Functions">
47 <header>Functions</header>
48 <p>Functions encapsulate reusable code blocks.</p>
49 <p>They can accept parameters and return values.</p>
50 <code>function sum(a,b){return a+b;}</code>
51 <code>const multiply=(x,y)=>x*y;*</code>
52 <ul><li>Function declaration</li><li>Function expression</li><li>Arrow functions</li></ul>
53 </section>
54 <section class="main-section" id="Loops">
55 <header>Loops</header>
```

```

56 <p>Loops are used to execute code multiple times.</p>
57 <p>JavaScript supports <code>for</code>, <code>while</code>, and <code>do...while</code> loops.</p>
58 <code>for(let i=0;i<5;i++){console.log(i);}</code>
59 <code>while(condition){...}</code>
60 <ul><li>for loop</li><li>while loop</li><li>do while loop</li></ul>
61 </section>
62 <section class="main-section" id="Objects">
63 <header>Objects</header>
64 <p>Objects store key-value pairs of data.</p>
65 <p>They are fundamental for structuring complex data.</p>
66 <code>let person={name:"Bob",age:25};</code>
67 <p>Access properties with dot or bracket notation.</p>
68 <code>console.log(person.name);</code>
69 <ul><li>Dynamic properties</li><li>Nested objects</li><li>Methods</li></ul>
70 </section>
71 </main>
72 </body>
73 </html>

```

## JS DOCS

### Introduction

Variables and Constants

Functions

Loops

Objects

### Introduction

JavaScript is a versatile programming language used for web development.

It allows dynamic interaction on webpages and supports multiple paradigms.

It runs in browsers and on servers using Node.js.

```
console.log("Hello World");
```

JS supports variables, functions, objects, loops, and more.

- Easy to learn
- Dynamic typing
- Event-driven

### Variables and Constants

Variables store data values using `var`, `let`, or `const`.

Use `const` for values that should not change.

```
let name = "Alice"; const pi = 3.14;
```

- var: function scoped
- let: block scoped
- const: block scoped, read-only

## JS DOCS

### Introduction

Variables and Constants

Functions

Loops

Objects

### Functions

Functions encapsulate reusable code blocks.

They can accept parameters and return values.

```
function sum(a,b){return a+b;} const multiply=(x,y)=>x*y;
```

- Function declaration
- Function expression
- Arrow functions

### Loops

Loops are used to execute code multiple times.

JavaScript supports `for`, `while`, and `do...while` loops.

```
for(let i=0;i<5;i++){console.log(i)} while(condition){...}
```

- for loop
- while loop
- do while loop

### Objects

Objects store key-value pairs of data.

They are fundamental for structuring complex data.

```
let person={name:"Bob",age:25};
```

Access properties with dot or bracket notation.

```
console.log(person.name);
• Dynamic properties
• Nested objects
• Methods
```

## 4. A Newspaper Layout

Code: [https://github.com/anlea0/WEB-PROGLAB-2/blob/main/Exp3/part-4\\_NewspaperLayout.html](https://github.com/anlea0/WEB-PROGLAB-2/blob/main/Exp3/part-4_NewspaperLayout.html)

# THE DAILY GRID

Established 2026 · All the Layout That Fits

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## Breaking: CSS Grid Revolutionizes Web Design

In an unprecedented development in the world of web development, CSS Grid has transformed how designers think about layout. This two-dimensional system replaces brittle hacks with clarity and intent, unlocking layouts once reserved for print. Experts agree: Grid is no longer the future — it is the standard.



Print inspiration meets modern CSS

---

### Local Community Embraces Digital Transformation

Community workshops are drawing record crowds as citizens explore modern layout tools. By blending traditional design sensibilities with cutting-edge CSS, participants are rediscovering the craft of storytelling — one grid at a time.

---

**Weekly Workshop**  
Thursday nights: modern CSS layouts, zero frameworks, pure control.

**Developer Spotlight**  
Sarah Chen recreates historic newspapers using nothing but CSS Grid.

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## 5. Build a Product Landing Page

Code: [https://github.com/anlea0/WEB-PROGLAB-2/blob/main/Exp3/part-5\\_ProductLandingPage.html](https://github.com/anlea0/WEB-PROGLAB-2/blob/main/Exp3/part-5_ProductLandingPage.html)

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