Q1)

Html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Portfolio</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body>
  <header class="header">
    <h1>Your Name</h1>
    <nav class="nav">
      <a href="#">Home</a>
      <a href="#">About</a>
      <a href="#">Projects</a>
      <a href="#">Contact</a>
    </nav>
  </header>

  <main class="main">
    <section class="about">
      <h2>About Me</h2>
      <p>
        Hi! I'm a frontend developer who loves building clean and modern UI.
        This is a Flexbox-only responsive portfolio layout.
      </p>
    </section>

    <section class="image-section">
```

```html
        <img src="https://via.placeholder.com/350x350" alt="Profile" />

      </section>

    </main>


    <footer class="footer">

      © 2025 Your Name. All rights reserved.

    </footer>

</body>

</html>
```

Css
```css
/* RESET */

* {

   margin: 0;

   padding: 0;

   box-sizing: border-box;

}


/* BODY */

body {

   font-family: Arial, Helvetica, sans-serif;

   background: #f4f4f7;

   color: #333;

   line-height: 1.6;

}


/* HEADER */

.header {

   background: #222;

   color: white;

   padding: 20px;
```

```css
    display: flex;

    justify-content: space-between;

    align-items: center;

}


.nav a {

    color: white;

    margin-left: 20px;

    text-decoration: none;

    font-weight: bold;

    transition: 0.2s;

}


.nav a:hover {

    color: #ffa600;

}


/* MAIN CONTENT */
.main {

    display: flex;

    justify-content: center;

    align-items: center;

    padding: 50px;

    gap: 50px;

}


.about {

    max-width: 450px;

    font-size: 1.1rem;

}
```

```css
.image-section img {

   width: 330px;

   border-radius: 12px;

   box-shadow: 0 5px 20px rgba(0,0,0,0.15);

}


/* FOOTER */

.footer {

   text-align: center;

   padding: 15px;

   background: #222;

   color: white;

   margin-top: 40px;

}


/* RESPONSIVE */

@media (max-width: 700px) {

   .header {

      flex-direction: column;

      gap: 10px;

      text-align: center;

   }


   .nav a {

      margin: 0 10px;

   }


   .main {

      flex-direction: column;

      text-align: center;

      padding: 30px;
```

```css
  }

  .image-section img {

    width: 250px;

  }
}
```

Output

Your Name

Home About Projects Contact

About Me

Hi! I'm a frontend developer who loves building clean and modern UI. This is a Flexbox-only responsive portfolio layout.

Profile
© 2025 Your Name. All rights reserved.

Q2)

HTML

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Premium Product Gallery</title>

  <link rel="stylesheet" href="style.css">

</head>

<body>


  <h1 class="title">Premium AI Product Gallery</h1>
```
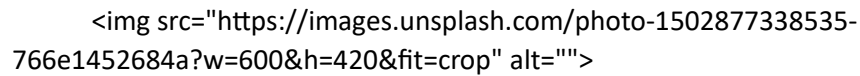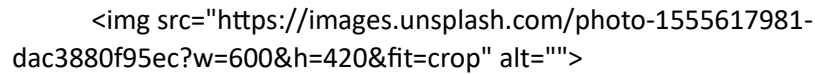
```html
<section class="gallery">

  <div class="card">
    <img src="https://images.unsplash.com/photo-1585386959984-a41552231693?w=600&h=420&fit=crop" alt="">
    <h3>AI Smart Speaker</h3>
    <p>$49</p>
  </div>

  <div class="card">
    <img src="https://images.unsplash.com/photo-1598327105666-5b893d9a8c2b?w=600&h=420&fit=crop" alt="">
    <h3>Wireless Headphones</h3>
    <p>$99</p>
  </div>

  <div class="card">
    <img src="https://images.unsplash.com/photo-1594041680534-e8c8c0e98df8?w=600&h=420&fit=crop" alt="">
    <h3>Smartwatch</h3>
    <p>$129</p>
  </div>

  <div class="card">
    <img src="https://images.unsplash.com/photo-1526170375885-4d8ecf77b99f?w=600&h=420&fit=crop" alt="">
    <h3>Drone Camera</h3>
    <p>$199</p>
  </div>

  <div class="card">
```

```html
        <img src="https://images.unsplash.com/photo-1502877338535-
766e1452684a?w=600&h=420&fit=crop" alt="">

        <h3>VR Headset</h3>

        <p>$149</p>

    </div>


    <div class="card">

        <img src="https://images.unsplash.com/photo-1555617981-
dac3880f95ec?w=600&h=420&fit=crop" alt="">

        <h3>Gaming Mouse</h3>

        <p>$39</p>

    </div>


    <div class="card">

        <img src="https://images.unsplash.com/photo-1581291518857-
4e27b48ff24e?w=600&h=420&fit=crop" alt="">

        <h3>Leather Backpack</h3>

        <p>$89</p>

    </div>


    <div class="card">

        <img src="https://images.unsplash.com/photo-1542291026-
7eec264c27ff?w=600&h=420&fit=crop" alt="">

        <h3>Camera Lens</h3>

        <p>$159</p>

    </div>


  </section>


</body>
</html>
```
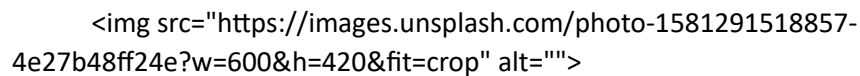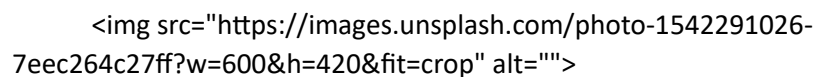
CSS

```css
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: "Poppins", sans-serif;
}

body {
    background: linear-gradient(135deg, #ece9ff, #d4f1ff);
    padding: 50px;
}

.title {
    text-align: center;
    font-size: 2.6rem;
    font-weight: 700;
    margin-bottom: 40px;
    color: #222;
}

.gallery {
    display: grid;
    grid-template-columns: repeat(4, 1fr);
    gap: 28px;
}

.card {
    background: #ffffff;
    padding: 18px;
```

```css
    border-radius: 16px;

    height: 350px;

    display: flex;

    flex-direction: column;

    justify-content: space-between;

    box-shadow: 0 6px 25px rgba(0,0,0,0.12);

    transition: 0.3s ease;

}


.card:hover {

    transform: scale(1.06);

    box-shadow: 0 12px 30px rgba(0,0,0,0.18);

}


.card img {

    width: 100%;

    height: 200px;

    border-radius: 12px;

    object-fit: cover;

}


.card h3 {

    font-size: 1.1rem;

    font-weight: 600;

    margin-top: 8px;

}


.card p {

    color: #444;

    font-size: 1rem;

    margin-bottom: 5px;
```

```css
}


/* RESPONSIVE */
@media (max-width: 900px) {
  .gallery {
    grid-template-columns: repeat(2, 1fr);
  }
}


@media (max-width: 600px) {
  .gallery {
    grid-template-columns: repeat(1, 1fr);
  }
  body {
    padding: 25px;
  }
}
```

OUTPUT

Drone Camera

$199

VR Headset

$149

Gaming Mouse

Q3)HTML

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Flexbox Homepage</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>

    <header class="header">
        <nav class="nav">
```

```html
        <a href="#">Home</a>

        <a href="#">Services</a>

        <a href="#">Projects</a>

        <a href="#">Contact</a>

      </nav>

    </header>


    <main class="main">

      <div class="box">Services</div>

      <div class="box">Projects</div>

      <div class="box">Contact</div>

    </main>


    <footer class="footer">

      © 2025 Your Name. All rights reserved.

    </footer>


</body>
</html>
```

CSS


```css
/* RESET */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: Arial, sans-serif;
}
```

```css
/* PAGE LAYOUT */
body {
    min-height: 100vh;
    display: flex;
    flex-direction: column;
    background: #f2f2f2;
}

/* HEADER */
.header {
    background: #222;
    padding: 20px 0;
}

.nav {
    display: flex;
    justify-content: space-around;
}

.nav a {
    color: white;
    text-decoration: none;
    font-weight: bold;
}

/* MAIN */
.main {
    flex: 1;
    display: flex;
    justify-content: center;
```

```css
    align-items: center;

    gap: 40px;

    padding: 40px;

}


/* BOXES */

.box {

    background: white;

    width: 220px;

    height: 160px;

    display: flex;

    justify-content: center;

    align-items: center;

    font-size: 1.4rem;

    font-weight: bold;

    border-radius: 12px;

    box-shadow: 0 6px 20px rgba(0,0,0,0.15);

    transition: 0.3s;

}


.box:hover {

    transform: rotate(2deg);

}


/* FOOTER */

.footer {

    background: #222;

    color: white;

    text-align: center;

    padding: 15px;

    margin-top: auto;
```

```css
}


/* RESPONSIVE */
@media (max-width: 700px) {
    .main {
        flex-direction: column;
        gap: 20px;
    }


    .box {
        width: 80%;
    }
}
```