

Q1.

→ <!DOCTYPE html>

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Task_1</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="box"><h1 id="header">Responsive Header</h1></div>
  <div>Main Content</div>
  <div>Footer</div>
</body>
</html>
```

```
.box{
  width: 100%;
  height: 100px;
  background-color: gray;
  text-align: center;
  padding: 20px;
}
@media (max-width: 600px){
  .box{
    background-color:blue;
    color: white;
  }
}
```

Q2.

→

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Task_2</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="container">
    <div>
      
    </div>
    <div>
      
    </div>
    <div>
      
    </div>
  </div>
</body>
</html>
```

```

.container{
  border: 2px solid black;
  display: grid;
  grid-area: "img img img ";
  grid-template-columns: 1fr 1fr 1fr;
  margin: 10px;
  padding: 10px;
}
img{
  width: auto;
  height: 100%;
}
@media (max-width:800px){
  .container{
    grid-area: "img img ";
    grid-template-columns: 1fr 1fr ;
  }
}
@media (max-width:500px){
  .container{
    grid-template-columns: 1fr;
  }
  img{
    width: 100%;
    height: 100%;
    row-gap: 10px;
  }
}

```

Q3.

→<!DOCTYPE html>

```

<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Task_3</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div id="container">
    <ul class="nav">
      <li>Home</li>
      <li>About</li>
      <li>Servises</li>
      <li>Portfolio</li>
      <li>Contact</li>
    </ul>
  </div>
</body>
</html>

```

```

*{
  padding: 0;
  margin: 0;
}
#container{
  background-color: black;
  color: azure;
  padding: 10px 5px;
  margin: 10px 5px;
  align-items: center;
}

```

```

    text-decoration: none;
}
ul {
    display: grid;
    grid-area: "li li li li";
    grid-template-columns: 1fr 1fr 1fr 1fr 1fr;
}
ul li {
    list-style: none;
}
@media(max-width: 768px){
    ul{
        grid-template-columns: 1fr;
        text-align: center;
    }
    #container{
        align-items: center;
        background-color:grey;
    }
    li{
        margin: 20px;
    }
}

```

Q4.

→

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Responsive Grid Layout</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>
    <div class="grid-container">
        <div class="grid-item red">Box1</div>
        <div class="grid-item green">Box2</div>
        <div class="grid-item blue">Box3</div>
        <div class="grid-item orange">Box4</div>
    </div>
</body>
</html>

/* Reset default margin and padding */
body, html {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    display: flex;
    min-height: 100vh;
    background-color: #f4f4f4;
    font-family: Arial, sans-serif;
}

.grid-container {
    display: grid;

```

```

    grid-template-columns: repeat(3, 1fr);
    gap: 10px;
    width: 100%;
    padding: 10px;
}

.grid-item {
    display: flex;
    justify-content: center;
    color: white;
    font-size: 1.5em;
    padding: 20px;
}

.red {
    background-color: red;
}

.green {
    background-color: green;
}

.blue {
    background-color: blue;
}

.orange {
    background-color: orange;
}

@media (min-width: 490px) {
    .grid-container {
        grid-template-columns: 1fr;
    }
}

```

Q5.

→ /* Basic Reset */

```

body, html {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

.container {
    display: grid;
    height: 100vh; /* Full viewport height */
    grid-template-areas:
        "box1 box2 box2 box4"
        "box1 box3 box3 box4";
    grid-template-columns: 1fr 2fr 2fr 1fr; /* Column widths */
    grid-template-rows: 1fr 1fr; /* Row heights */
}

/* Styling each box */
.box {
    display: flex;
    justify-content: center;
    font-size: 1.5rem;
    font-weight: bold;
    color: white;
}

```

```
.box1 {
  grid-area: box1;
  background-color: #333;
}

.box2 {
  grid-area: box2;
  background-color: #62d9a2;
}

.box3 {
  grid-area: box3;
  background-color: #ffa726;
}

.box4 {
  grid-area: box4;
  background-color: #333;
}

/* Mobile View */
@media (max-width: 768px) {
  .container {
    grid-template-areas:
      "box1"
      "box2"
      "box3"
      "box4";

    grid-template-columns: 1fr; /* Single column */
    grid-template-rows: auto; /* Adjust height automatically */
  }
}
```