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| **Ex. No: 8.2** | **Responsive Websites** | **Date : 17/09/2023** |

**Aim:**

To understand the concept of responsive websites.

**index.html:**

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| <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Responsiveness</title>    <style>      a {        display: block;      }    </style>  </head>  <body>    <h1>Responsiveness Methods</h1>    <a href="./media-query.html">1. Media Queries</a>    <a href="./grid.html">2. CSS Grid</a>    <a href="./flexbox.html">3. CSS Flexbox</a>    <a href="./bootstrap.html">4. Bootstrap Framework</a>  </body>  </html> |

**media-query.html:**

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| <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Media Query</title>    <style>      div {        background-color: rebeccapurple;        height: 500px;        width: 500px;      }      @media (max-width: 600px) {        /\* CSS for screens below or equal to 600px wide \*/        div {          height: 200px;          width: 200px;        }      }    </style>  </head>  <body>    <h1>Media Query</h1>    <div></div>  </body>  </html> |

**grid.html:**

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| <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>CSS Grid</title>    <style>      .grid-container {        display: grid;        grid-template-columns: 1fr 1fr;        grid-template-rows: 100px 200px 200px;        gap: 30px;      }      .first {        grid-column: span 2;      }      .card {        background-color: blue;      }    </style>  </head>  <body>    <h1>CSS Grid</h1>    <div class="grid-container">      <div class="first card"></div>      <div class="card"></div>      <div class="card"></div>      <div class="card"></div>      <div class="card"></div>    </div>  </body>  </html> |

**flexbox.html:**

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| <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>CSS Flexbox</title>    <style>      .flex-container {        display: flex;      }      .card {        background: blue;        border: 30px solid white;        height: 100px;        flex: 1;      }      .first {        flex: 2;      }      .second {        flex: 0.5;      }    </style>  </head>  <body>    <h1>CSS Flexbox</h1>    <div class="flex-container">      <div class="first card"></div>      <div class="second card"></div>      <div class="card"></div>      <div class="card"></div>    </div>  </body>  </html> |

**bootstrap.html:**

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| <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Bootstrap Framework</title>    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"      integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">  </head>  <body>    <h1>Bootstrap Framework</h1>    <div class="container">      <div class="row">        <div class="card col-6">          Card        </div>        <div class="card col-2">          Card        </div>        <div class="card col-4">          Card        </div>      </div>    </div>  </body>  </html> |

**Result:**

Hence the concept of resposive websites was understood.