Program 3:
Develop an external style sheet named as "style.css" and provide different styles for h2, h3, hr, p, div, span, time, img & a tags. Apply different CSS selectors for tags and demonstrate the significance of each.

Index.html

```
<!DOCTYPE html>

<head>
  <title>Styled HTML Page | vtucode</title>
  <link rel="stylesheet" href="style.css">
</head>

<body>

  <h2>Main Heading</h2>
  <h3>Subheading</h3>
  <hr>
  <p>This is a paragraph demonstrating the basic text styling applied by CSS.</p>

  <div>
    This is a styled <strong>div</strong> element with padding and a light border. Inside the div, we can also use
    <span>span elements</span> that have their own styles, like this bold and orange text.
  </div>
```

```
<p>Current time: <time>10:30 AM</time></p>

<img src="https://vtucode.in/wp-content/uploads/2024/08/Web-Technology-Lab.jpg" alt="Placeholder Image">

<p>Visit <a href="https://vtucode.in">vtucode.in</a> to learn more about our services.</p>

<p class="highlight">This paragraph is highlighted with a yellow background.</p>

<p class="center">This text is centered using a class selector.</p>

<p id="special-paragraph">This is a special paragraph with unique styles applied through an ID selector.</p>

</body>

</html>
```

Style.css

```css
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

h2 {
    color: #2c3e50;
    font-size: 2em;
    margin-bottom: 10px;
}

h3 {
    color: #34495e;
    font-size: 1.5em;
    margin-bottom: 8px;
}

hr {
    border: 0;
```

```css
    height: 2px;

    background-color: #e74c3c;

    margin: 20px 0;

}


p {

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

    line-height: 1.6;

    margin: 10px 0;

}


div {

    padding: 15px;

    border: 1px solid #bdc3c7;

    background-color: #ecf0f1;

}


span {

    color: #e67e22;

    font-weight: bold;

}


time::before {
```

```css
    content: '⏰ ';
    color: #16a085;
}

img {
    margin-left: 15px;
    height: 300px;
    width: 400px;
    border-radius: 8px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
    max-width: 100%;
}

a {
    text-decoration: none;
    color: #ea0e4c;
}

a:hover {
    color: #6200ee;
    text-decoration: underline;
}
```

```css
.highlight {

    background-color: yellow;

    padding: 3px;

}


.center {

    text-align: center;

}


#special-paragraph {

    font-size: 1.2em;

    color: #8e44ad;

    background-color: #f5f5f5;

    padding: 10px;

    border-left: 5px solid #8e44ad;

}


h2,

h3,

p {

    margin-left: 20px;

}
```