Bahria University, E-8 Campus
LAB JOURNAL 3

Department of Computer Science
BAHRIA UNIVERISTY, ISLAMABAD

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Web system & technologies

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<center>**Lab # 3: HTML5 – CSS**</center>

Objectives:

- To learn about margin, padding
- To learn about hover

Tools Used: Visual Studio Code

<center>**Submission Date:** 26, February ,2025.</center>

Task # 1:

Open the given file: starter.txt

starter.txt

Apply:

- Inline CSS to change the paragraph's text color to blue.

- Internal CSS inside the <style> tag to set the background color to lightgray.

- External CSS by linking task1.css and setting the font size of all text to 16px.

Procedure/Program:

HTML FILE:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Task 1 - CSS Types</title>
    <link rel="stylesheet" type="text/css" href="task1.css">
    <style>
        p{
            background-color: lightgrey;
        }
    </style>
</head>
<body>
    <h1>Inline CSS Example</h1>
    <p style="color: blue;"</p
    <p>This paragraph should have inline CSS applied.</p>
</body>
</html>
```

CSS FILE:

```
p {
    font-size: 16px;
}
```

Result/Output:

Inline CSS Example

This paragraph should have inline CSS applied.

Task # 2:

Open the starter code of task2 from starter.txt, which contains

<div class="nav">Navigation</div>

<div class="header">Header</div>

<div class="content">Content</div>

<div class="footer">Footer</div>

Apply styling in task2.css:

- .nav: Background color #FFCC99, height 25px.

- .header: Background color #FCCC99, height 100px.

- .content: Background color #FFCC99, height 400px.

- .footer: Background color #FF9966, height 100px.

Procedure/Program:

HTML FILE:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Task 2 - DIV-based CSS</title>
    <link rel="stylesheet" type="text/css" href="task2.css">
</head>
<body>
    <div class="nav">Navigation</div>
    <div class="header">Header</div>
    <div class="content">Content</div>
    <div class="footer">Footer</div>
</body>
</html>
```

CSS FILE:

```css
.nav{
    background-color: #FFCC99;
    height: 24px;
}

.header{
    background-color: #FFCC99;
    height: 100px;
}

.content{
    background-color: #FFCC99;
    height: 400px;
}

.footer{
    background-color: #FF9966;
    height: 100px;
}
```

Result/Output:

Navigation

Header

Content

Footer

Task # 3:

Open the starter code of task3 from starter.txt, which contains

Home |

Services |

Contact

Modify task3.css to:

- Make unvisited links green.

- Make visited links purple.

- Change the link color to red when hovered over.
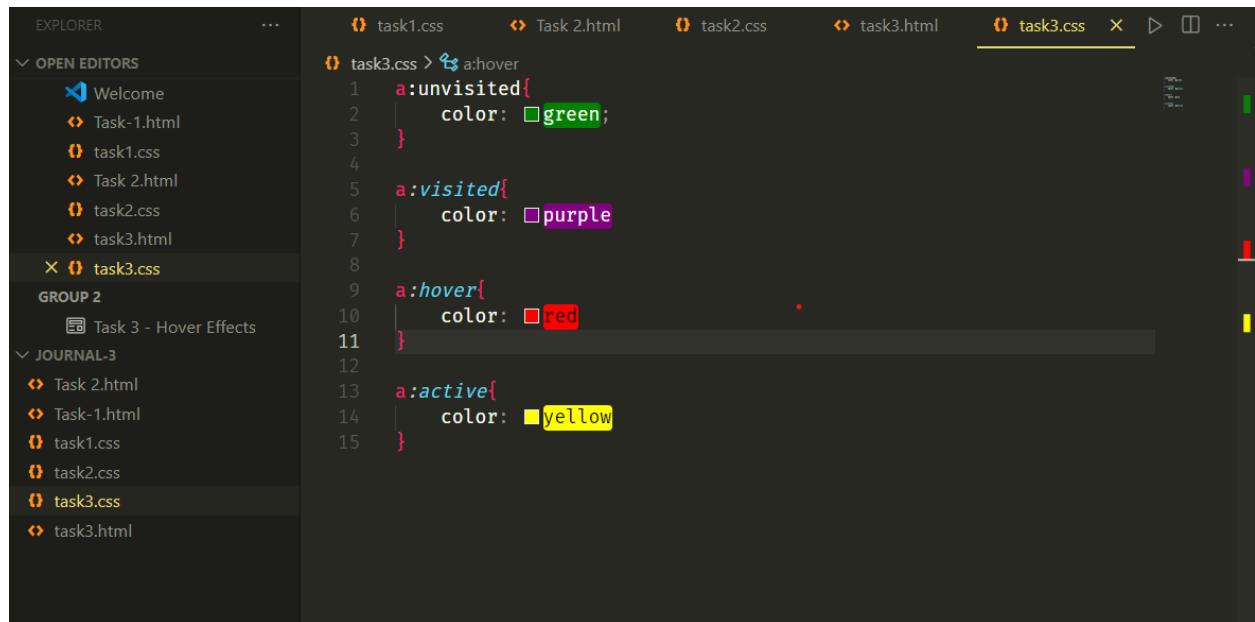
- Set active links to yellow.

Procedure/Program:

HTML FILE:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Task 3 - Hover Effects</title>
    <link rel="stylesheet" type="text/css" href="task3.css">
</head>
<body>
    <a href="#">Home</a> |
    <a href="#">Services</a> |
    <a href="#">Contact</a>
</body>
</html>
```

CSS FILE:

//picture

Result/Output:

Task # 4:

Open the starter code of task4 from starter.txt, which contains

<div class="example">Example Content</div>

Modify task4.css:

- By default, set .example background color to yellow.

- Hide .example when the screen width is 600px or less using @media.

Procedure/Program:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Task 4 - Responsive Design</title>
    <link rel="stylesheet" type="text/css" href="task4.css">
    <meta name="viewport" content="width=device-width, initial-scale=1">
</head>
<body>
    <div class="example">Example Content</div>
</body>
</html>
```
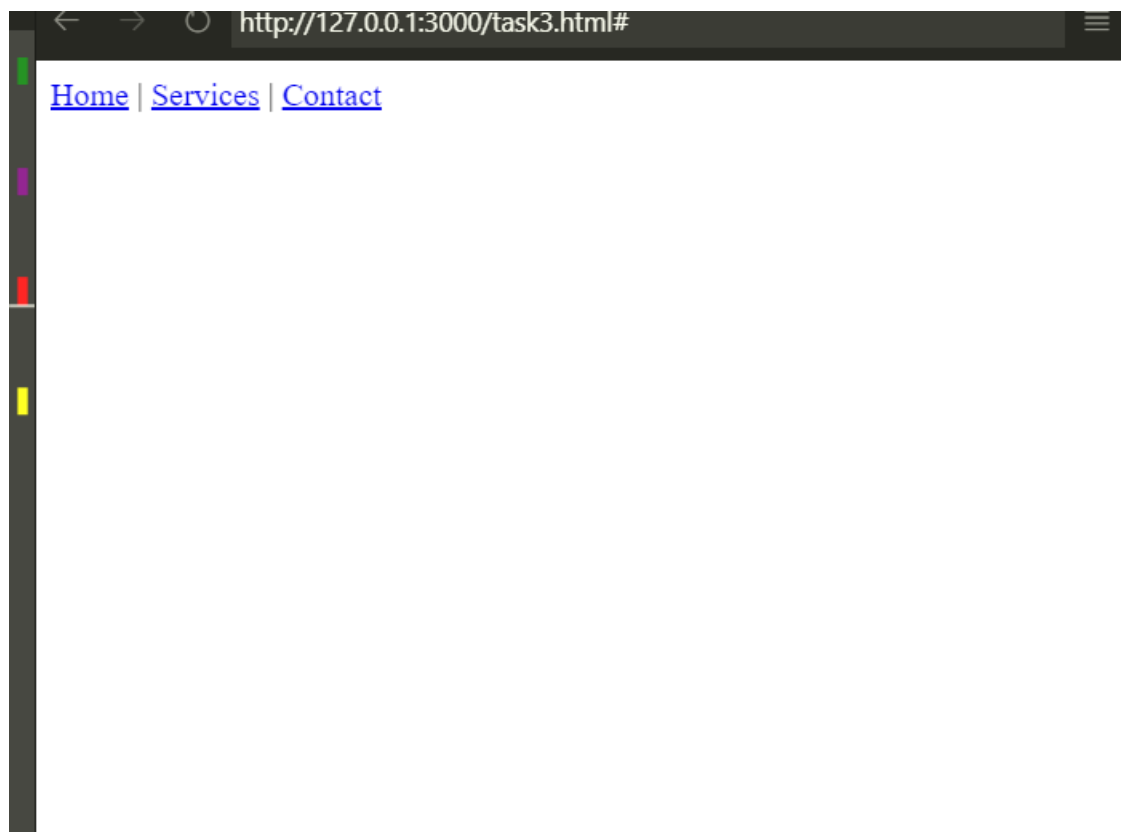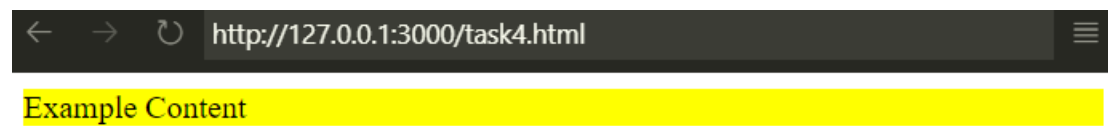
CSS File:

```css
.example{
    background-color: yellow
}

@media (max-width:400px)
{
    .example{
        display: none;
    }
}
```
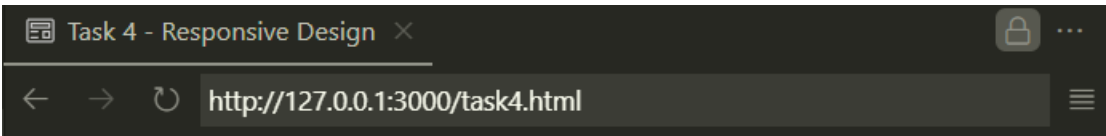
Result/Output:

With 400px it is showing:

With 600px:

Lab Task# 05:

    a.   **Create a login page using different styles of CSS like below.**

Username

Enter Username

Password

Enter Password

Login

Procedure/Program:

HTML FILE:

```html
<!DOCTYPE html>
<html>
    <head>
        <link rel="stylesheet" href="task5.css">
        <title>Login Page</title>
    </head>
    <body>
        <div class="login-form">
            <h2>Login</h2>
            <img src="112.png" alt="cant load image" class="avatar" <img
        </br>
            <form>
            <label for="username">Username</label>
            <input type="text" id="username" placeholder="Enter Username">

            <label for="password">Password</label>
            <input type="password" id="password" placeholder="Enter Password">
            <button type="submit">Login</button>
        </form>
    </div>
    </body>
</html>
```

CSS FILE:

```css
body{
    color: black;
    background-color:rgba(63, 175, 140, 0.766);
    font-family: Arial, Helvetica, sans-serif;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 650px;

}

.login-form{
        background: rgb(233, 60, 167);
        padding: 20px;
        border-radius: 10px;
```

```css
        text-align:center;
        width: 300px;
}


h2 {
    margin-bottom: 20px;
    color: #333;
}


.avatar {
    width: 100px;
    height: 100px;
    margin-bottom: 20px;
}


form {
    display: flex;
    flex-direction: column;
    gap: 10px;
}


label {
    text-align: left;
    font-weight: bold;
    color: #555;
}


input {
    padding: 10px;
    border: 1px solid #000000;
    border-radius: 5px;
    font-size: 16px;
}


button {
    background-color: #332b41;
    color: white;
    padding: 10px;
    border: none;
    border-radius: 5px;
    font-size: 16px;
}


button:hover {
    background-color: #0056b3;
```
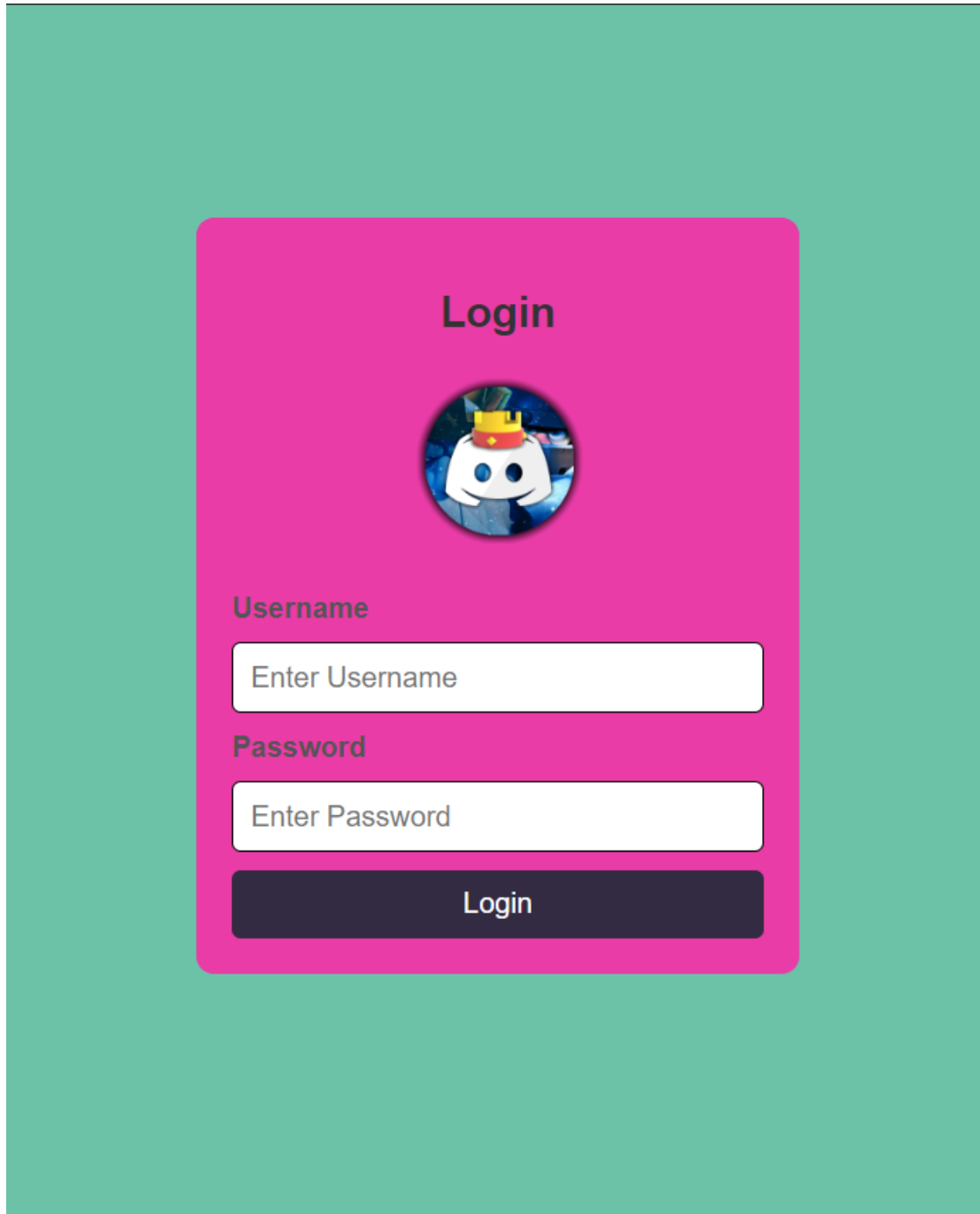
`}`

Result/Output:

task3.css   task4.html   task4.css   task5.html   task5.css ×   Login Page ×

http://127.0.0.1:3000/task5.html?

task5.css > form

```css
1    body{
2        color: black;
3        background-color: rgba(63, 175, 140, 0.766);
4        font-family: Arial, Helvetica, sans-serif;
5        display: flex;
6        justify-content: center;
7        align-items: center;
8        height: 650px;
9
10   }
11
12   .login-form{
13       background: rgb(233, 60, 167);
14       padding: 20px;
15       border-radius: 10px;
16       text-align:center;
17       width: 300px;
18   }
19
20   h2 {
21       margin-bottom: 20px;
22       color: #333;
23   }
24
25   .avatar {
26       width: 100px;
27       height: 100px;
28       margin-bottom: 20px;
29   }
30
31   form {
32       display: flex;
33       flex-direction: column;
34       gap: 10px;
35   }
36
37   label {
```

Login

Username
Enter Username

Password
Enter Password

Login