IT & Computer Science

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Mid Exam Web Engineering

HTML, CSS JS Tasks

Task 01:

Code: HTML

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Register Yourself</title>
    <link rel="stylesheet" href="./style.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.5.1/css/all.min.css">
</head>
<body>
    <header>
        <div class="nav-bar">
            <div class="logo">
                Tech World
            </div>

            <div class="nav-links">
                <ul>
                    <li><a href="#">Home</a></li>
                    <li><a href="#">Service</a></li>
                    <li><a href="#">Contact Us</a></li>
                </ul>
            </div>

            <div class="hamburger">
                <i class="fas fa-bars"></i>
            </div>
        </div>
    </header>

    <div class="hero-section">
        <div class="left-side">
            <form action="">
                <label for="name">Full Name</label>
                <input type="text" placeholder="Your Name...">

                <label for="email">Email</label>
                <input type="email" placeholder="Your Email...">

                <label for="message">Message</label>
                <textarea name="message" id="">Tell about yourself</textarea>
```

```html
                <div class="btn">Submit</div>

            </form>
        </div>

        <div class="right-side">
            <img src="/assets/loginImg.jpg" alt="img">
        </div>
    </div>

    <footer>
        © 2025 TechWorld. All rights reserved.
    </footer>


</body>
</html>
```

CSS:

```css
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    text-decoration: none;
    font-family: Arial, sans-serif;
}

body {
    background-color: rgb(192, 183, 171);
}

.nav-bar {
    position: sticky;
    top: 0;
    height: 80px;
    width: 100%;
    background-color: black;
    color: wheat;
    display: flex;
    justify-content: space-between;
    align-items: center;
    padding: 0 30px;
}

.logo {
```

```css
    font-size: x-large;
    font-weight: bold;
    cursor: pointer;
}

.nav-links ul {
    display: flex;
    gap: 50px;
    list-style: none;
}

.nav-links a {
    color: whitesmoke;
    padding: 10px;
}

.nav-links a:hover {
    background-color: rgb(192, 183, 171);
    color: black;
    border-radius: 5px;
}

.hamburger {
    display: none;
}

.hero-section {
    display: flex;
    align-items: stretch;
    justify-content: center;
    width: 80%;
    max-width: 900px;
    margin: 50px auto;
    background-color: white;
    border-radius: 10px;
    overflow: hidden;
}

.left-side {
    width: 50%;
    background-color: rgb(239, 235, 229);
    padding: 20px;
    display: flex;
    flex-direction: column;
    justify-content: center;
```

```css
    border-top-left-radius: 10px;
    border-bottom-left-radius: 10px;
}

.right-side {
    width: 50%;
}

.right-side img {
    width: 100%;
    height: 100%;
    object-fit: cover;
    border-top-right-radius: 10px;
    border-bottom-right-radius: 10px;
}

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

form label {
    text-align: left;
    font-weight: bold;
}

form input, form textarea {
    border-radius: 5px;
    border: solid 1px black;
    padding: 7px;
    width: 100%;
}

form textarea {
    height: 100px;
    resize: none;
}

.btn {
    width: 100%;
    background-color: black;
    color: white;
    text-align: center;
    padding: 10px;
```

```css
    border-radius: 5px;
    cursor: pointer;
}

.btn:hover {
    background-color: rgb(255, 255, 255);
    color: black;
    border: solid 1px black;
}

footer {
    background-color: black;
    color: white;
    height: 40px;
    text-align: center;
    padding-top: 15px;
}

@media (max-width: 600px) {
    .nav-links {
        display: none;
    }

    .hamburger {
        display: block;
        cursor: pointer;
    }

    .hero-section {
        flex-direction: column;
        width: 90%;
    }

    .left-side, .right-side {
        width: 100%;
    }

    .right-side img {
        border-radius: 5px 5px 0 0;
    }

    .left-side {
        border-radius: 0 0 5px 5px;
    }
}
```

Output:
Desktop View

Mobile View:

Task 02:
JavaScript A:

Code:

```html
<script>

    // JavaScript Question 01

    let fname;
    let lname;

    fname = prompt("Enter Your First Namee");
    lname = prompt("Enter Your Second Namee");

    let uFname = fname.toUpperCase();
    let uLname = lname.toUpperCase();

    console.log("Your Full Name in UperCase: " + uFname, uLname);

</script>
```
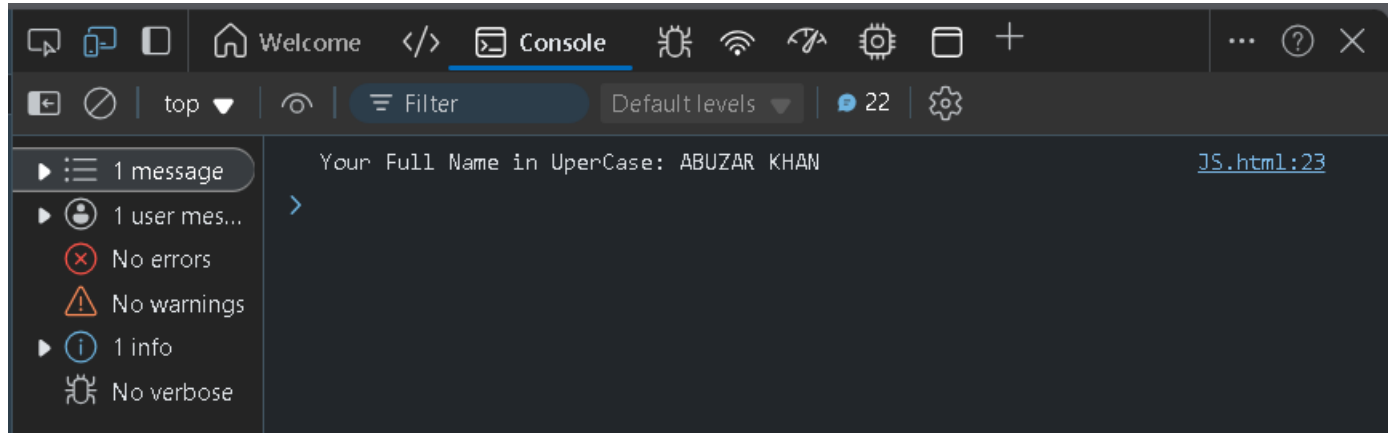
Output:

JavaScript B:
Code:

```html
<script>

    // JavaScript Question 02

    let start = parseInt(prompt("Enter the starting number:"));
    let end = parseInt(prompt("Enter the ending number:"));

    console.log("Even numbers between " + start + " and " + end + " are:");

    if (start % 2 !== 0) {
        start++;
    }

    for (let i = start; i <= end; i += 2) {
        console.log(i);
    }

</script>
```
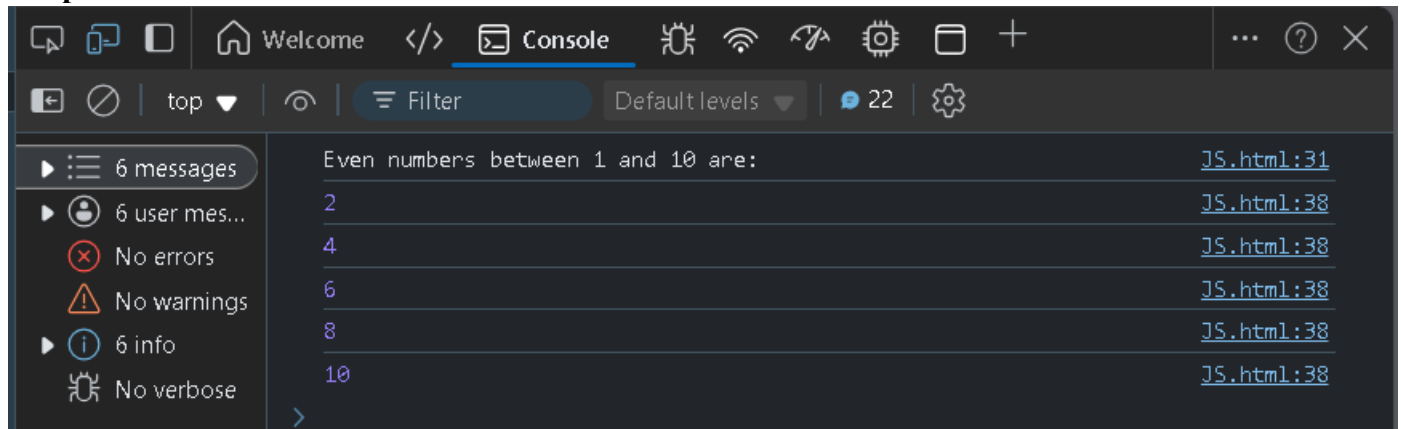
Output:

```
Even numbers between 1 and 10 are:        JS.html:31
2                                          JS.html:38
4                                          JS.html:38
6                                          JS.html:38
8                                          JS.html:38
10                                         JS.html:38
```

Explanation:

In this lab mid exam, we performed task the first was about creating header, navbar and then container for both img and form using CSS I adjust both tag on left and right and in the last there was adding footer with copy-right.

In JS part there was first about converting the name and Part B was about printing even number in console by taking input of starting and ending number from user I write basic js for Bothe tasks in 2nd one there is used loop and if else statement to for limit and condition for even number.