

### Exercise 1 :

A webpage is created using HTML, consists of various divisions which includes, head, body and footer part. Write a program which includes various tags used inside the header tag.

Aim :

To create a web page using HTML that demonstrates the use of <head> tag like <title>, <meta>, <link>, <style> and <script>.

Procedure :

1. Create basic HTML structure
2. Add <title>, <meta>, <link>, <style>, <script> inside <head>
3. Save with .html extension
4. Open in browser

program :

```
<html>
```

```
<head>
```

```
<meta charset = "UTF-8">
```

```
<meta name = "viewport" content = "width, initial-scale = 1.0">
```

```
<title> sample page </title>
```

```
<style> body {background : #f0f8ff ; font-family :  
Arial } </style>
```

```
<script> console.log ("page loaded!") ; </script>
```

```
</head>
```

```

</body>
<h1> Welcome to my web page </h1>
<p> Head Tag demo </p>
</body>
</html>

```

Output :

Welcome to my web page

This page demonstrates the use of head Section tags. © 2025 Student name

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Exercise 2

Write a javascript program to get the numbers from users and display only the nearest add numbers.

Aim :

To create a web page using HTML that demonstrates the use of <title>, <meta>, <link>, <style>, <script> tag inside the <head> section.

procedure :

1. Write HTML Structure
2. Add required tags inside <head>



4. open a browser

program :

```
<html><head><title> odd </title>
</script>
```

```
function odd {let n=+ prompt("Enter number")
```

```
</script></head>
```

```
<body>
```

```
<h1> Nearest odd number </h1>
```

```
</body></html>
```

Output :

Nearest odd

Find Nearest odd  
Number :

An embedded page at app  
one compiler com says

Enter a number

ok/cancel

An embedded page at app  
one compiler com says

Nearest odd -1

OK

Result :

A code is executed successfully using notepad

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### Exercise: 3

Create a HTML web page, change the position of the parent element relative to the parent element and subelements to itself using relative positioning with a CSS file.

Aim:

To Create a HTML web page that changes element positions using relative positioning with an external CSS file.

procedure:

1. Create index.html with `<div>`, `<h1>`, `<p>`
2. Create style.css with `position: relative;`
3. adjust top and left values
4. Link CSS file inside `<head>`
5. Open in browser

program:

```
<!DOCTYPE html>
<html>
<head>
  <title> Relative positioning </title>
  <link rel = "style sheet" href = "style.css" >
</head>
<body>
  <div class = "parent">
```



```

<h1 class="child">welcome to CSS positioning </h1>
<p>This paragraph remains normally positioned.</p>
</div>
</body>
</html>

```

Output :

welcome to CSS positioning

This page remains normally positioned.

style - CSS - parent { border: 2px solid blue; padding: 20px; width: 400px; height: 200px; position: relative; }

child { position: relative; top: 50px; left: 20px; color: dark green; }

Result :

A code is executed successfully through notepad.

Experiment : 4

Aim :

To write a java servlet that accepts students registration details through a form and display it using the same Servlet.

procedure:

1. Create a Servlet class extending `HttpServlet`.
2. Design a form in `doGet()` if parameters are empty.
3. Use `request.getParameter()` to fetch form data.
4. Use `PrintWriter` to display details in HTML response.
5. Deploy on Tomcat Server and test in browser.

program :-

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class StudentRegistrationServlet extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        String name = request.getParameter("name");
        String regno = request.getParameter("regno");
        String course = request.getParameter("course");
        String email = request.getParameter("email");

        out.println("<html><body>");
```



```

if (name == null || regno == null || course == null || email ==
    null) {
    out.println("<h2> Student Registration Form </h2>");
    out.println("<form method = 'get'");
    out.println("<input type = 'text' name = 'course'");
    <br><br>
    else {
        out.println("<h3> details </h3><p> Name : "
            + name + "</p><p> Reg No : " + regno + "</p><p>
            course : " + course + "</p><p> Email : " + email + "</p>");
    }
    out.println("</body></html>");
}

```

Output :-

Student Registration details

```

" ); out.println ( "
Name : " + name + "
" ); out.println ( "
Register num : " + regno + "
" ); out.println ( "
COURSE : " + course + "
" ); out.println ( "
email : " + email + "

```

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Result:

Thus, the program is executed successfully.

#### Exercise: 5

Make a registration form and help the organization to collect their employee's details like - employer's name, id, address, department, mobile number - and select their city from the drop down list box, using HTML and CSS.

Aim:

To design a HTML form with CSS for collecting employee details (Name, id, Address, department, mobile, city).

procedure:

1. Create employee - registration.html
2. Add form fields (text, textarea, dropdown)



3. Create style .css for styling

4. Link CSS in HTML <head>

5. Run in a browser

Program :

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title> employee Registration </title>
```

```
<link rel="stylesheet" href="style.css">
```

```
</head>
```

```
<body>
```

```
<label> Name: </label>
```

```
<input type="text" name="name" required>
```

```
</label>
```

```
<input type="text" id="id" required>
```

```
<label> department: </label>
```

```
<label> City: </label>
```

```
<input type="text" value="City" required>
```

```
</select>
```

```
<input type="submit" value="Register">
```

```
</form>
```

```
</div>
```

```
</body>
```

Output:

Employee Registration form

Employee name:

Employee id:

Address:

Department:

Mobile Number:

City: Select city:

Result:

Thus, the program is executed successfully.