

HTML5 – Day - 1 Hands On – JANGITI GOWTHAM SIDDARTHA

Problem 1

1. Create a basic HTML page with proper structure (DOCTYPE, head, body)
2. Add a heading and a paragraph introducing yourself
3. Create an unordered list showing your hobbies
4. Create an ordered list showing daily routine steps
5. Create a simple table showing:
 - Student Name
 - Subject
 - Marks

Code:

```
<!--JANGITI GOWTHAM SIDDARTHA-->
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

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

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

```
  <title>Document</title>
```

```
</head>
```

```
<body>
```

```
  <h1>Introduction</h1>
```

```
  <p>I am Gowtham Siddartha from Rayachoty. I completed my Graudation from Jawaharlal  
Nehru Technological University from Ananthapur
```

```
    in Computer Science and Engineering
```

```
</p>
```

```
  <h1>My Hobbies</h1>
```

```
<ul><li>Cricket</li>
```

```
  <li>Watching Movies</li>
```

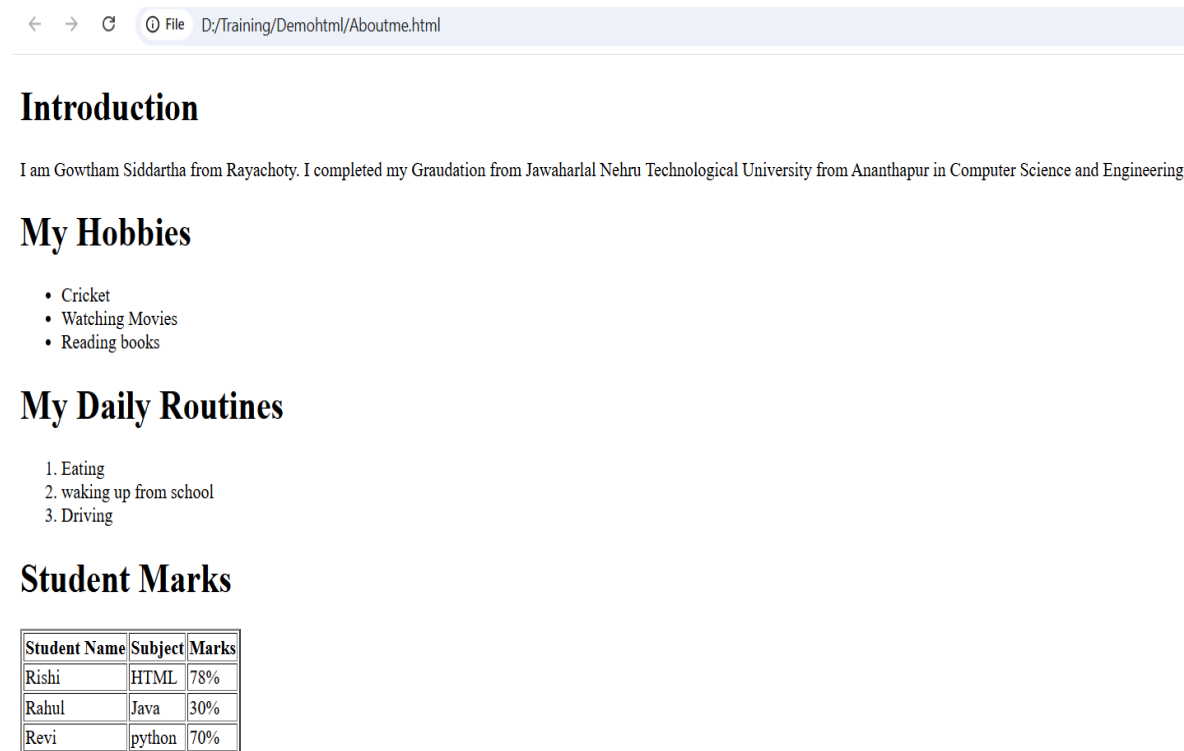
```
<li>Reading books</li>
</ul>
<h1>My Daily Routines</h1>
<ol><li>Eating</li>
    <li>waking up from school</li>
    <li>Driving</li></ol>
<h1>Student Marks</h1>
<table border="2">
    <tr>
        <th>Student Name</th>
        <th>Subject</th>
        <th>Marks</th>
    </tr>
    <tr><td>Rishi</td>
        <td>HTML</td>
        <td>78%</td>
    </tr>
    <tr>
        <td>Rahul</td>
        <td>Java</td>
        <td>30%</td>
    </tr>
    <tr>
        <td>Revi</td>
        <td>python</td>
        <td>70%</td>
    </tr>
</table>
</body>
</html>
```

Code Screenshot:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <h1>Introduction</h1>
10  <p>I am Gowtham Siddhartha from Rayachoty. I completed my Graduation from Jawaharlal Nehru Technological
11    in Computer Science and Engineering
12  </p>
13  <h1>My Hobbies</h1>
14  <ul>
15    <li>Cricket</li>
16    <li>Watching Movies</li>
17    <li>Reading books</li>
18  </ul>
19  <h1>My Daily Routines</h1>
20  <ol>
21    <li>Eating</li>
22    <li>waking up from school</li>
23    <li>Driving</li>
24  </ol>
25  <h1>Student Marks</h1>
26  <table border="2">
27    <tr>
28      <th>Student Name</th>
29      <th>Subject</th>
30      <th>Marks</th>
31    </tr>
32    <tr>
33      <td>Rishi</td>
34      <td>HTML</td>
35      <td>78%</td>
36    </tr>
37    <tr>
```

```
38      <td>78%</td>
39    </tr>
40    <tr>
41      <td>Rahul</td>
42      <td>Java</td>
43      <td>30%</td>
44    </tr>
45    <tr>
46      <td>Revi</td>
47      <td>python</td>
48      <td>70%</td>
49    </tr>
50  </table>
51 </body>
52 </html>
```

Output Screenshot:



Explanation:

This code builds a simple about webpage that exits my information. we are using HTML5 and basic structure like html that contains body, paragraph and all. In this code we mention the introduction in the <h1> and description in <p> and my hobbies in unordered list with in the is list item of the content, and technologies in heading tag and ordered list and table contains students marks.

Problem 2: Restaurant Menu Webpage (Level-1)

Scenario

A small restaurant wants a basic menu webpage to display their offerings online before moving

to a full website.

Requirements

Create an HTML page that displays:

1. Restaurant Name (Heading)
2. About the Restaurant (Paragraph)
3. Menu Categories (Unordered List)
4. Price List (Table)

Code:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

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

```
  <title>Restaurant</title>
```

```
</head>
```

```
<body>
```

```
  <h1 >
```

```
    Sekhar cafe
```

```
  </h1>
```

```
  <p >
```

```
    Welcome to the Resaturant that has the best food.
```

```
  </p>
```

<h2 >Menu Categories</h2>

Main Course

Breakfast

Beverages

<h2 >Price List</h2>

<table border="2" >

<tr>

<th>Item Name</th>

<th>Category</th>

<th>Price</th>

</tr>

<tr>

<td>Paneer Butter Masala</td>

<td>Main Course</td>

<td>220</td>

</tr>

<tr>

<td>Veg Biryani</td>

<td>Main Course</td>

<td>180</td>

</tr>

<tr>

<td>Masala Dosa</td>

<td>Breakfast</td>

<td>90</td>

</tr>

<tr>

<td>Cold Coffee</td>

<td>Beverages</td>

<td>120</td>

</tr>

</table>

</body>

</html>

Code Screenshot:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Restaurant</title>
</head>
<body>
  <h1>
    Sekhar cafe
  </h1>
  <p>
    Welcome to the Restaurant that has the best food.
  </p>

  <h2>Menu Categories</h2>
  <ul>
    <li>Main Course</li>
    <li>Breakfast</li>
    <li>Beverages</li>
  </ul>

  <h2>Price List</h2>

  <table border="2" >
    <tr>
      <th>Item Name</th>
      <th>Category</th>
      <th>Price</th>
    </tr>

    <tr>
      <td>Paneer Butter Masala</td>
      <td>Main Course</td>
    </tr>
  </table>

```



```
...
<td>Main Course</td>
<td>220</td>
</tr>

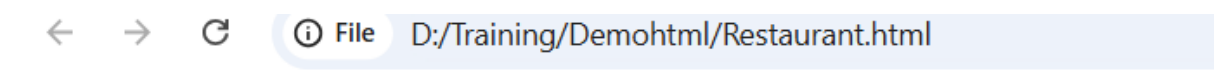
<tr>
<td>Veg Biryani</td>
<td>Main Course</td>
<td>180</td>
</tr>

<tr>
<td>Masala Dosa</td>
<td>Breakfast</td>
<td>90</td>
</tr>

<tr>
<td>Cold Coffee</td>
<td>Beverages</td>
<td>120</td>
</tr>
</table>

</body>
</html>
```

Output:



Sekhar cafe

Welcome to the Resaturant that has the best food.

Menu Categories

- Main Course
- Breakfast
- Beverages

Price List

| Item Name | Category | Price |
|----------------------|-------------|-------|
| Paneer Butter Masala | Main Course | 220 |
| Veg Biryani | Main Course | 180 |
| Masala Dosa | Breakfast | 90 |
| Cold Coffee | Beverages | 120 |

Explanation:

Here body tag specify the <h1> as Sekhar café and <P> specify the description of the restaurant and by using <header> element and categories is an <h2> and content is in unordered list and given menu card in <tr> and table data and menu details as Food Item ,Deserts , Price

Problem 3: Personal Grocery Checklist (Level-1)

Scenario

You are building a simple webpage for personal use to plan your weekly grocery shopping.

The

page should clearly show priority items and optional items, so it's easy to decide what to buy first.

Create an HTML webpage that includes:

1. A page title:

Weekly Grocery Checklist

2. A main heading displaying the same title.

3. An Ordered List showing high-priority grocery items, such as:

- o Rice,Milk,Vegetables,Cooking Oil

4. An Unordered List showing optional or non-essential items, such as:

- o Snacks

- o Ice cream

- o Soft drinks

Code:

```
<!--JANGITI GOWTHAM SIDDARTHA -->
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

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

```
  <title> Grocery</title>
```

```
</head>
```

```
<body>
```

```
  <h1 title="Plan your weekly shopping easy">Weekly Grocery Checklist</h1>
```

<h2>High-Priority Items</h2>

Rice

Milk

Vegetables

Cooking Oil

<h2>Optional Items</h2>

Snacks

Ice cream

Soft drinks

</body>

</html>

Code Screenshot:

```
Demohtml > Grocery.html > html > body > ol
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title> Grocery</title>
7  </head>
8  <body>
9
10   <h1 title="Plan your weekly shopping easy">Weekly Grocery Checklist</h1>
11
12   <h2>High-Priority Items</h2>
13   <ol>
14     <li>Rice</li>
15     <li>Milk</li>
16     <li>Vegetables</li>
17     <li>Cooking Oil</li>
18   </ol>
19
20   <h2>Optional Items</h2>
21   <ul>
22     <li>Snacks</li>
23     <li>Ice cream</li>
24     <li>Soft drinks</li>
25   </ul>
26
27 </body>
28 </html>
29
```

Output:

Weekly Grocery Checklist

High-Priority Items

1. Rice
2. Milk
3. Vegetables
4. Cooking Oil

Optional Items

- Snacks
- Ice cream
- Soft drinks

Explanation:

In this code we tell that shop in Weekly Grocery Checklist for personal use by using <h1> tag and high priority list in <h3> tag and content in unordered list and Optional Items in <h3> tag and content in ordered list of list items .

Problem 4: Employee Onboarding Page (Level-2)

Scenario

A company wants a basic onboarding page for new employees that HR can later style using CSS.

Requirements

Use Semantic HTML:

- <header> → Company name & welcome message
- <section> → Employee details
- <article> → Company policies
- <footer> → Contact information

Content Structure

1. Employee Information (Table)

- o Employee ID
- o Name
- o Department
- o Joining Date

2. Company Policies (Ordered List)

- o Working hours
- o Leave policy
- o Code of conduct

3. Facilities Provided (Unordered List)

- o Laptop
- o Internet access
- o Training materials

Code:

```
<!--JANGITI GOWTHAM SIDDARTHA -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="description" content="Employee onboarding page for new joiners">

    <title>Employee Onboarding Page</title>

</head>

<body>

    <header title="Company Introduction">

        <h1>Rahul Technologies Pvt Ltd</h1>

        <p>Welcome to the organization</p>

    </header>

    <section title="Employee Details Section">

        <h2>Employee Information</h2>

        <table border="2" cellpadding="8">

            <tr>

                <th>Employee ID</th>

                <th>Name</th>

                <th>Department</th>

                <th>Joining Date</th>

            </tr>

            <tr>

                <td>EMP101</td>

                <td>Rahul Sharma</td>

                <td>IT</td>

                <td>20-Feb-2026</td>

            </tr>

        </table>

    </section>

</body>

</html>
```



```
</tr>
</table>
</section>
<article title="Company Policies">
  <h2>Company Policies</h2>
  <ol>
    <li>Working hours: 9:00 AM – 6:00 PM</li>
    <li>Leave policy: 20 paid leaves per year</li>
  </ol>
  <h3>Facilities Provided</h3>
  <ul>
    <li>Laptop</li>
    <li>Internet access</li>
    <li>Training materials</li>
  </ul>
</article>
<footer title="Contact Information">
  <p>Contact HR: hr@Rahultech.com</p>
  <p>Phone: +91 9876543210</p>
</footer>
</body>
</html>
```

Code Screenshot:

```
Demohtml > Onboarding.html > html > body > section > table > tr >
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="description" content="Employee onboarding page for new joiners">
6      <title>Employee Onboarding Page</title>
7  </head>
8
9  <body>
10
11      <header title="Company Introduction">
12          <h1>Rahul Technologies Pvt Ltd</h1>
13          <p>Welcome to the organization</p>
14      </header>
15
16      <section title="Employee Details Section">
17          <h2>Employee Information</h2>
18
19          <table border="2" cellpadding="8">
20              <tr>
21                  <th>Employee ID</th>
22                  <th>Name</th>
23                  <th>Department</th>
24                  <th>Joining Date</th>
25              </tr>
26              <tr>
27                  <td>EMP101</td>
28                  <td>Rahul Sharma</td>
29                  <td>IT</td>
30                  <td>20-Feb-2026</td>
31              </tr>
32          </table>
33      </section>
34
35      <article title="Company Policies">
36          <h2>Company Policies</h2>
37          <ol>
```


```
<article title="Company Policies">
  <h2>Company Policies</h2>
  <ol>
    <li>Working hours: 9:00 AM - 6:00 PM</li>
    <li>Leave policy: 20 paid leaves per year</li>
  </ol>

  <h3>Facilities Provided</h3>
  <ul>
    <li>Laptop</li>
    <li>Internet access</li>
    <li>Training materials</li>
  </ul>
</article>

<footer title="Contact Information">
  <p>Contact HR: hr@Rahultech.com</p>
  <p>Phone: +91 9876543210</p>
</footer>

</body>
</html>
```

Output:

 File D:/Training/Demohtml/Onboarding.html

Rahul Technologies Pvt Ltd

Welcome to the organization

Employee Information

| Employee ID | Name | Department | Joining Date |
|-------------|--------------|------------|--------------|
| EMP101 | Rahul Sharma | IT | 20-Feb-2026 |

Company Policies

- Working hours: 9:00 AM – 6:00 PM
- Leave policy: 20 paid leaves per year

Facilities Provided

- Laptop
- Internet access
- Training materials

Contact HR: hr@Rahultech.com

Phone: +91 9876543210

Explanation:

In this code a webpage of Rahul technologies Pvt Limited Company welcoming a new employee. It displays employee information such as ID, name, department, and joining date. The page also lists company policies like working hours and leave policy. At the bottom, it provides details about facilities offered and HR contact information.

Problem 5: College Department Information Page (Level-2)

Scenario

A college wants to create a basic informational webpage for one of its departments (e.g., Computer Science, Information Technology).

The page will be used by students and parents to understand faculty details, subjects offered,

and the weekly timetable before the site is enhanced with CSS and backend features.

Requirements

Create an HTML webpage that includes the following sections:

1. Header

- o Department Name
- o College Name

2. Section 1: Faculty Details

- o Display faculty information in a table with columns:
 - Faculty Name
 - Designation
 - Subject Handled

3. Section 2: Subjects Offered

- o Display the list of subjects using an unordered list

4. Section 3: Weekly Timetable

- o Display timetable details in a table with columns:
 - Day
 - Subject
 - Time Slot

5. Footer

- o College address
- o Contact information

Code:

```
<!--JANGITI GOWTHAM SIDDARTHA -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="description" content="Computer Science Department Information Page">

    <title>Computer Science Department</title>

</head>

<body>

    <header title="Department Header">

        <h1>Computer Science Department</h1>

        <h2>Jntu College of Engineering</h2>

    </header>

    <section title="Faculty Details Section">

        <h2>Faculty Details</h2>

        <table border="1" cellpadding="8">

            <tr>

                <th>Faculty Name</th>

                <th>Designation</th>

                <th>Subject Handled</th>

            </tr>

            <tr>

                <td>Dr. Ramesh Kumar</td>

                <td>Professor</td>

                <td>Data Structures</td>

            </tr>

            <tr>
```

| |
|--------------------------------------|
| <td>Ms. Priya Sharma</td> |
| <td>Assistant Professor</td> |
| <td>Database Management Systems</td> |
| </tr> |
| <tr> |
| <td>Mr. Arun Verma</td> |
| <td>Lecturer</td> |
| <td>Operating Systems</td> |
| </tr> |
| </table> |

</section>

<section title="Subjects Offered Section">

<h2>Subjects Offered</h2>

Data Structures

Database Management Systems

Operating Systems

Computer Networks

Software Engineering

</section>

<section title="Weekly Timetable Section">

<h2>Weekly Timetable</h2>

<table border="1" cellpadding="8">

<tr>

<th>Day</th>

<th>Subject</th>

<th>Time Slot</th>

```
</tr>

<tr>

  <td>Monday</td>

  <td>Data Structures</td>

  <td>9:00 AM – 10:00 AM</td>

</tr>

<tr>

  <td>Tuesday</td>

  <td>Database Management Systems</td>

  <td>10:00 AM – 11:00 AM</td>

</tr>

<tr>

  <td>Wednesday</td>

  <td>Operating Systems</td>

  <td>11:00 AM – 12:00 PM</td>

</tr>

<tr>

  <td>Thursday</td>

  <td>Computer Networks</td>

  <td>1:00 PM – 2:00 PM</td>

</tr>

<tr>

  <td>Friday</td>

  <td>Software Engineering</td>

  <td>2:00 PM – 3:00 PM</td>

</tr>

</table>

</section>
```


<footer title="College Contact Information">

<p>Address: Jntu College of Engineering,Ananthapur, India</p>

<p>Contact: +91 9876543210</p>

<p>Email: info@jntucollege.edu</p>

</footer>

</body>

</html>

Code Screenshot:

```
Demontml > College.html > html > body > section > h2
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="description" content="Computer Science Department Information Page">
6      <title>Computer Science Department</title>
7  </head>
8
9  <body>
10
11      <header title="Department Header">
12          <h1>Computer Science Department</h1>
13          <h2>Jntu College of Engineering</h2>
14      </header>
15
16      <section title="Faculty Details Section">
17          <h2>Faculty Details</h2>
18
19          <table border="1" cellpadding="8">
20              <tr>
21                  <th>Faculty Name</th>
22                  <th>Designation</th>
23                  <th>Subject Handled</th>
24              </tr>
25              <tr>
26                  <td>Dr. Ramesh Kumar</td>
27                  <td>Professor</td>
28                  <td>Data Structures</td>
29              </tr>
30              <tr>
31                  <td>Ms. Priya Sharma</td>
32                  <td>Assistant Professor</td>
33                  <td>Database Management Systems</td>
34              </tr>
35              <tr>
36                  <td>Mr. Arun Verma</td>
37                  <td>Lecturer</td>
```

```
</td>Lecturer</td>  
<td>Operating Systems</td>  
</tr>  
</table>  
</section>
```

```
<section title="Subjects Offered Section">  
  <h2>Subjects Offered</h2>  
  <ul>  
    <li>Data Structures</li>  
    <li>Database Management Systems</li>  
    <li>Operating Systems</li>  
    <li>Computer Networks</li>  
    <li>Software Engineering</li>  
  </ul>  
</section>
```

```
<section title="Weekly Timetable Section">  
  <h2>Weekly Timetable</h2>
```

```
  <table border="1" cellpadding="8">  
    <tr>  
      <th>Day</th>  
      <th>Subject</th>  
      <th>Time Slot</th>  
    </tr>  
    <tr>  
      <td>Monday</td>  
      <td>Data Structures</td>  
      <td>9:00 AM - 10:00 AM</td>  
    </tr>
```

```
</tr>
<tr>
  <td>Tuesday</td>
  <td>Database Management Systems</td>
  <td>10:00 AM - 11:00 AM</td>
</tr>
<tr>
  <td>Wednesday</td>
  <td>Operating Systems</td>
  <td>11:00 AM - 12:00 PM</td>
</tr>
<tr>
  <td>Thursday</td>
  <td>Computer Networks</td>
  <td>1:00 PM - 2:00 PM</td>
</tr>
<tr>
  <td>Friday</td>
  <td>Software Engineering</td>
  <td>2:00 PM - 3:00 PM</td>
</tr>
</table>
</section>
```

```
<footer title="College Contact Information">
  <p>Address: Jntu College of Engineering, Ananthapur, India</p>
  <p>Contact: +91 9876543210</p>
  <p>Email: info@jntucollege.edu</p>
</footer>
```

```
/body>
```

```
/html>
```

Output:

Computer Science Department

Jntu College of Engineering

Faculty Details

| Faculty Name | Designation | Subject Handled |
|------------------|---------------------|-----------------------------|
| Dr. Ramesh Kumar | Professor | Data Structures |
| Ms. Priya Sharma | Assistant Professor | Database Management Systems |
| Mr. Arun Verma | Lecturer | Operating Systems |

Subjects Offered

- Data Structures
- Database Management Systems
- Operating Systems
- Computer Networks
- Software Engineering

Weekly Timetable

| Day | Subject | Time Slot |
|-----------|-----------------------------|---------------------|
| Monday | Data Structures | 9:00 AM – 10:00 AM |
| Tuesday | Database Management Systems | 10:00 AM – 11:00 AM |
| Wednesday | Operating Systems | 11:00 AM – 12:00 PM |
| Thursday | Computer Networks | 1:00 PM – 2:00 PM |

| | | |
|-----------|----------------------|---------------------|
| Wednesday | Operating Systems | 11:00 AM – 12:00 PM |
| Thursday | Computer Networks | 1:00 PM – 2:00 PM |
| Friday | Software Engineering | 2:00 PM – 3:00 PM |

Address: Jntu College of Engineering,Ananthapur, India

Contact: +91 9876543210

Email: info@jntucollege.edu

Explanation:

In this code the Computer Science Department of Jntu College. It provides details about faculty members, subjects offered, and the weekly timetable. The faculty table lists professors and the Subjects they handle. It also includes the college location and contact information at the bottom.