

HTML5 – Day - 1 Hands On - Gurunath Rageni

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:
 - o Student Name
 - o Subject
 - o Marks

Code:

```
<!--Gurunath Rageni-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Basic hands on</title>

</head>

<body>

<h1>ABOUT ME</h1>

<p>I am Gurunath ,I have recently completed my graduation at madanapalli institute of technology and science</p>

<h3>My Hobbies</h3>

<ul>

<li>Play online games</li>

<li>watching movies</li>

<li>coding</li>

</ul>
```

```
<h3>Daily routine</h3>
```

```
<ol>
```

```
    <li>brush</li>
```

```
    <li>eating</li>
```

```
    <li>studying</li>
```

```
</ol>
```

```
<h3>Student marks</h3>
```

```
<table border="1">
```

```
    <tr>
```

```
        <th>Name</th>
```

```
        <th>Subject</th>
```

```
        <th>Marks</th>
```

```
    </tr>
```

```
    <tr>
```

```
        <td>Gurunath</td>
```

```
        <td>Python</td>
```

```
        <td>92%</td>
```

```
    </tr>
```

```
    <tr>
```

```
        <td>Venkat</td>
```

```
        <td>Java</td>
```

```
        <td>98%</td>
```

```
    </tr>
```

```
</table>
```

```
</body>
```

```
</html>
```

Code Screenshot:

```
C:\> Users > gurun > < First_Handson.html > html > body > h1
1   <!-- Gurunath Rageni -->
2   <!DOCTYPE html>
3   <html lang="en">
4   <head>
5       <meta charset="UTF-8">
6       <title>Basic hands on</title>
7   </head>
8   <body>
9       <h1>ABOUT ME</h1>
10      <p>I am Gurunath ,I have recently completed my graduation at madanapalli institute of technology
11
12      <h3>My Hobbies</h3>
13      <ul>
14          <li>Play online games</li>
15          <li>watching movies</li>
16          <li>coding</li>
17      </ul>
18
19      <h3>Daily routine</h3>
20      <ol>
21          <li>brush</li>
22          <li>eating</li>
23          <li>studying</li>
24      </ol>
25
26      <h3>Student marks</h3>
27      <table border="1">
28          <tr>
29              <th>Name</th>
30              <th>Subject</th>
31              <th>Marks</th>
32
33          </tr>
34          <tr>
35              <td>Gurunath</td>
36              <td>Python</td>
37              <td>92%</td>
38          </tr>
39          <tr>
40              <td>Venkat</td>
41              <td>Java</td>
42              <td>98%</td>
43          </tr>
44      </table>
45
46  </body>
47  </html>
```

Output Screenshot:



ABOUT ME

I am Gurunath ,I have recently completed my graduation at madanapalli institute of technology and science

My Hobbies

- Play online games
- watching movies
- coding

Daily routine

1. brush
2. eating
3. studying

Student marks

Name	Subject	Marks
Gurunath	Python	92%
Venkat	Java	98%

Explanation:

This code builds a simple about me webpage. we are using HTML5 and basic structure like (html,head,body). In this code we mention the self intro 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 lang="en">

<head>

    <meta charset="UTF-8">
    <title>Restaurant menu </title>
    <h1>Indian Restaurant</h1>
</head>

<body>

    <p>This is only for Indians</p>
    <h3>Menu</h3>
    <ul>
        <li>Main Course</li>
        <li>BreakFast</li>
        <li>Beverages</li>
    </ul>
</body>
```

```
<h3>Menu items and prizes</h3>
```

```
<table border="2">
```

```
    <tr>
```

```
        <th>Item</th>
```

```
        <th>Categories</th>
```

```
        <th>Prize</th>
```

```
    </tr>
```

```
    <tr>
```

```
        <td>Paneer Butter Masala</td>
```

```
        <td>Main Course</td>
```

```
        <td>220</td>
```

```
    </tr>
```

```
    <tr>
```

```
        <td>Veg Biryani</td>
```

```
        <td>MainCourse</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:

```
C: > Users > gurun > Restaurantmenu.html > ...
1  <!--Gurunath Rageni-->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <meta charset="UTF-8">
6      <title>Restaurant menu </title>
7      <h1>Indian Restaurant</h1>
8  </head>
9  <body>
10     <p>This is only for Indians</p>
11     <h3>Menu</h3>
12     <ul>
13         <li>Main Course</li>
14         <li>BreakFast</li>
15         <li>Beverages</li>
16     </ul>
17     <h3>Menu items and prizes</h3>
18     <table border="2">
19         <tr>
20             <th>Item</th>
21             <th>Categories</th>
22             <th>Prize</th>
23         </tr>
24         <tr>
25             <td>Paneer Butter Masala</td>
26             <td>Main Course</td>
27             <td>220</td>
28         </tr>
```

```
29      <tr>
30          <td>Veg Biryani</td>
31          <td>MainCourse</td>
32          <td>180</td>
33      </tr>
34      <tr>
35          <td>Masala Dosa</td>
36          <td>Breakfast</td>
37          <td>90</td>
38      </tr>
39      <tr>
40          <td>Cold Coffee</td>
41          <td>Beverages</td>
42          <td>120</td>
43      </tr>
44  </table>
45  </body>
46  </html>
```

Output:



Indian Restaurant

This is only for Indians

Menu

- Main Course
- BreakFast
- Beverages

Menu items and prizes

Item	Categories	Prize
Paneer Butter Masala	Main Course	220
Veg Biryani	MainCourse	180
Masala Dosa	Breakfast	90
Cold Coffee	Beverages	120

Explanation:

Here body tag specify the `<h1>` as restaurant name 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 specified details of 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:

```
<!--Gurunath Rageni-->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Third one</title>

    <h1>Weekly Grocery Checklist</h1>

</head>

<body>

    <h3>High Priority Items</h3>

    <ol>

        <li>Rice</li>
```

```
<li>Milk</li>
<li>Vegetables</li>
<li>Cooking Oil</li>
</ol>
<h3>optional or non-essential items</h3>
<ul>
<li>Snacks</li>
<li>Ice-Creams</li>
<li>Soft drinks</li>
</ul>
</body>
</html>
```

Code Screenshot:

```
> Users > gurun > Groceries.html > html > head
1  <!--Gurunath Rageni-->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <meta charset="UTF-8">
6      <title>Third one</title>
7      <h1>Weekly Grocery Checklist</h1>
8  </head>
9  <body>
10     <h3>High Priority Items</h3>
11     <ol>
12         <li>Rice</li>
13         <li>Milk</li>
14         <li>Vegetables</li>
15         <li>Cooking Oil</li>
16     </ol>
17     <h3>optional or non-essential items</h3>
18     <ul>
19         <li>Snacks</li>
20         <li>Ice-Creams</li>
21         <li>Soft drinks</li>
22     </ul>
23 </body>
24 </html>
```

Output:



Weekly Grocery Checklist

High Priority Items

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

optional or non-essential items

- Snacks
- Ice-Creams
- Soft drinks

Explanation:

In this code we mention about shopping in Weekly Grocery Checklist 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)
 - Employee ID
 - Name
 - Department
 - Joining Date
2. Company Policies (Ordered List)
 - Working hours
 - Leave policy
 - Code of conduct
3. Facilities Provided (Unordered List)
 - Laptop
 - Internet access
 - Training materials

Code:

```
<!--Gurunath Rageni-->  
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <meta charset="UTF-8">
```

```
<title>emp_onboarding</title>
</head>
<body>
<header>
  <h1>Cognizant</h1>
  <h3>Welcome to the Company</h3>
</header>

<section>
  <h2>Employee Information</h2>
  <table border="2" title="Emp_table">
    <tr>
      <th>Emp Id</th>
      <th>Name</th>
      <th>Department</th>
      <th>Joining Date</th>
    </tr>
    <tr>
      <td>EMP12</td>
      <td>Gurunath</td>
      <td>Development</td>
      <td>May 10</td>
    </tr>
    <tr>
      <td>EMP34</td>
      <td>Karthik</td>
      <td>Testing</td>
      <td>May 10</td>
    </tr>
    <tr>
      <td>EMP56</td>
```

```
<td>Thirumal</td>
<td>Analytics</td>
<td>May 10</td>
</tr>
</table>

<h2>Company Policies</h2>
<ol>
    <li>Working Hours</li>
    <li>Leave Policies</li>
    <li>Code of conduct</li>
</ol>

<h2>Facilities Provided</h2>
<ul>
    <li>Laptop</li>
    <li>Internet Access</li>
    <li>Training Materials</li>
</ul>
</section>
</body>
<footer>
    <p>Contact HR: hr@abctechnologies.com</p>
    <p>All rights reserved.</p>
</footer>

</html>
```

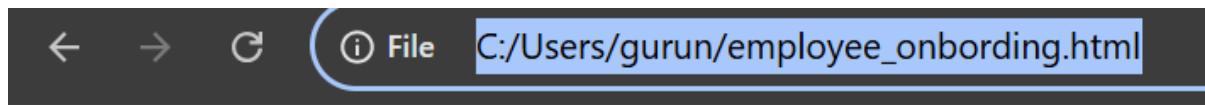
Code Screenshot:

```
C: > Users > gurun > employee_onboarding.html > html
1      <!--Gurunath Rageni-->
2      <!DOCTYPE html>
3      <html lang="en">
4          <head>
5              <meta charset="UTF-8">
6              <title>emp_onboarding</title>
7          </head>
8          <body>
9              <header>
10                 <h1>Cognizant</h1>
11                 <h3>Welcome to the Company</h3>
12             </header>
13
14             <section>
15                 <h2>Employee Information</h2>
16                 <table border="2" title="Emp_table">
17                     <tr>
18                         <th>Emp Id</th>
19                         <th>Name</th>
20                         <th>Department</th>
21                         <th>Joining Date</th>
22                     </tr>
23                     <tr>
24                         <td>EMP12</td>
25                         <td>Gurunath</td>
26                         <td>Development</td>
27                         <td>May 10</td>
28                     </tr>
```

```
29 | | | | <tr>
30 | | | | <td>EMP34</td>
31 | | | | <td>Karthik</td>
32 | | | | <td>Testing</td>
33 | | | | <td>May 10</td>
34 | | | | </tr>
35 | | | | <tr>
36 | | | | <td>EMP56</td>
37 | | | | <td>Thirumal</td>
38 | | | | <td>Analytics</td>
39 | | | | <td>May 10</td>
40 | | | | </tr>
41 | | | | </table>
42 |
43 | | <h2>Company Policies</h2>
44 | | <ol>
45 | | | <li>Working Hours</li>
46 | | | <li>Leave Policies</li>
47 | | | <li>Code of conduct</li>
48 | | </ol>
49 |
50 | | <h2>Facilities Provided</h2>
```

```
51 |     |         <ul>
52 |     |             <li>Laptop</li>
53 |     |             <li>Internet Access</li>
54 |     |             <li>Training Materials</li>
55 |     |         </ul>
56 |     |     </section>
57 |     | </body>
58 |     <footer>
59 |         <p>Contact HR: hr@abctechnologies.com</p>
60 |         <p>All rights reserved.</p>
61 |     </footer>
62 |
63 </html>
```

Output:



Cognizant

Welcome to the Company

Employee Information

Emp Id	Name	Department	Joining Date
EMP12	Gurunath	Development	May 10
EMP34	Karthik	Testing	May 10
EMP56	Thirumal	Analytics	May 10

Company Policies

1. Working Hours
2. Leave Policies
3. Code of conduct

Facilities Provided

- Laptop
- Internet Access
- Training Materials

Contact HR: hr@abctechnologies.com

All rights reserved.

Explanation:

In this code a webpage of Zeno 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:

```
<!--Gurunath Rageni-->
```

```
<!DOCTYPE html>
```

```
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <title>Emp_info</title>
    <h1>Department Information</h1>
  </head>
  <body>
    <header>
      <h3>Computer Science</h3>
      <h3>MITS College</h3>
    </header>

    <section title="Faculty_details">
      <h3>Faculty Details</h3>
      <table border="1">
        <tr>
          <th>Name</th>
          <th>Designation</th>
          <th>Subject</th>
        </tr>
        <tr>
          <td>Kusuma</td>
          <td>HOD</td>
          <td>Python</td>
        </tr>
        <tr>
          <td>Kiran</td>
          <td>Lecturer</td>
          <td>Java</td>
        </tr>
        <tr>
```

```
<td>pardhu</td>
<td>Lecturer</td>
<td>C Sharp</td>
</tr>
</table>
</section>
<section title="Sub_Offered">
<h2>Subjects Offered</h2>
<ul>
<li>Python</li>
<li>java</li>
<li>C Sharp</li>
</ul>
</section>
<section title="Timetable">
<h2>Time Table</h2>
<table border="1">
<tr>
<th>Day</th>
<th>Subject</th>
<th>Time</th>
<tr>
<tr>
<td>Monday</td>
<td>Python</td>
<td>10:00-11:00</td>
</tr>
<tr>
<td>Tuesday</td>
<td>java</td>
<td>11:00-12:00</td>
```

```
</tr>

<tr>
<td>Wednesday</td>
<td>C sharp</td>
<td>12:00-13:00</td>
</tr>

<tr>
<td>Thursday</td>
<td>Python</td>
<td>13:00-14:00</td>
</tr>

<tr>
<td>Friday</td>
<td>Java</td>
<td>14:00-15:00</td>
</tr>

<tr>
<td>Saturday</td>
<td>Python</td>
<td>15:00-16:00</td>
</tr>

</table>

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

Code Screenshot:

```
C: > Users > gurun > dpt_info.html > head > meta
1     <!--Gurunath Rageni-->
2     <!DOCTYPE html>
3     <html lang="en">
4         <head>
5             <meta charset="UTF-8">
6             <title>Emp_info</title>
7             <h1>Department Information</h1>
8         </head>
9         <body>
10            <header>
11                <h3>Computer Science</h3>
12                <h3>MITS College</h3>
13            </header>
14
15            <section title="Faculty_details">
16                <h3>Faculty Details</h3>
17                <table border="1">
18                    <tr>
19                        <th>Name</th>
20                        <th>Designation</th>
21                        <th>Subject</th>
22                    </tr>
23                    <tr>
24                        <td>Kusuma</td>
25                        <td>HOD</td>
26                        <td>Python</td>
27                    </tr>
28                    <tr>
```

```
29             <td>Kiran</td>
30             <td>Lecturer</td>
31             <td>Java</td>
32         </tr>
33         <tr>
34             <td>pardhu</td>
35             <td>Lecturer</td>
36             <td>C Sharp</td>
37         </tr>
38     </table>
39 </section>
40 <section title="Sub_Offered">
41     <h2>Subjects Offered</h2>
42     <ul>
43         <li>Python</li>
44         <li>java</li>
45         <li>C Sharp</li>
46     </ul>
47 </section>
48 <section title="Timetable">
49     <h2>Time Table</h2>
50     <table border="1">
51         <tr>
```

```
52 | | | | | <th>Day</th>
53 | | | | | <th>Subject</th>
54 | | | | | <th>Time</th>
55 | | | | <tr>
56 | | | | <tr>
57 | | | | | <td>Monday</td>
58 | | | | | <td>Python</td>
59 | | | | | <td>10:00-11:00</td>
60 | | | | </tr>
61 | | | | | <tr>
62 | | | | | | <td>Tuesday</td>
63 | | | | | | <td>java</td>
64 | | | | | | <td>11:00-12:00</td>
65 | | | | </tr>
66 | | | | | <tr>
67 | | | | | | <td>Wednesday</td>
68 | | | | | | <td>C sharp</td>
69 | | | | | | <td>12:00-13:00</td>
70 | | | | </tr>
71 | | | | | <tr>
72 | | | | | | <td>Thursday</td>
73 | | | | | | <td>Python</td>
74 | | | | | | <td>13:00-14:00</td>
75 | | | | </tr>
```

```
75          |           |           |       </tr>
76          |           |           |           |       <tr>
77          |           |           |           |           <td>Friday</td>
78          |           |           |           |           <td>Java</td>
79          |           |           |           |           <td>14:00-15:00</td>
80          |           |           |       </tr>
81          |           |           |           |       <tr>
82          |           |           |           |           <td>Saturday</td>
83          |           |           |           |           <td>Python</td>
84          |           |           |           |           <td>15:00-16:00</td>
85          |           |           |       </tr>
86
87      </table>
88
89  </section>
90
91  </body>
92
93  </html>
```

Output:

Department Information

Computer Science

MITS College

Faculty Details

Name	Designation	Subject
Kusuma	HOD	Python
Kiran	Lecturer	Java
pardhu	Lecturer	C Sharp

Subjects Offered

- Python
- java
- C Sharp

Time Table

Day	Subject	Time
Monday	Python	10:00-11:00
Tuesday	java	11:00-12:00
Wednesday	C sharp	12:00-13:00
Thursday	Python	13:00-14:00
Friday	Java	14:00-15:00
Saturday	Python	15:00-16:00

Explanation:

In this code the Computer Science Department of ABC 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.