List of Heading Types and Paragraph tags:

```html
<!DOCTYPE html>
<Html lang = "en">
<head>
    <title> List of heading </title>
</head>
<body>
    <h1> This is heading 1 </h1>
    <h2> This is heading 2 </h2>
    <h3> This is heading 3 </h3>
    <h4> This is heading 4 </h4>
    <h5> This is heading 5 </h5>
    <h6> This is heading 6 </h6>
    <p> This is paragraph use to written or define paragraph
        in html </p>

</body>
</html>
```

This is Heading 1

This is Heading 2

This is heading 3

This is heading 4

This is Heading 5

This is Heading 6

Lorem ipsum dolor sit amet consectetur adipisicing elit. Quae unde cuas deserunt odio optio iure quasquam? Quidem eius aut arrestare earum natune quis saepe dicta necessitatibus quo placeat, possimus molestrae

Table :

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Table</title>
</head>
<body>
    <table border="2" bordercolor="Black" bgcolor="lavender"
    width="50%" align="center" cellspacing="0">
    <tr>
        <th align="center" rowspan="2"> Roll-No.</th>
        <th align="center" rowspan="2"> Name </th>
        <th align="center" colspan="2"> Marks </th>
        <th align="center" rowspan="2"> Date of Birth </th>
    </tr>

    <tr>
        <th> Max. Marks </th>
        <th> Obtained Marks </th>
    </tr>
    <tr>
        <td align="center" rowspan="2">1101</td>
        <td align="center" rowspan="2"> Ram </td>
        <td> 500 </td>
        <td> 431 </td>
        <td align="center" rowspan="2">22-Mar-1995 </td>
    </tr>
    <tr>
        <tr>
            <td align="center" rowspan="2">1102 </td>
            <td align="center" rowspan="2"> Shyam </td>
            <td> 500 </td>
            <td> 350 </td>
```

```html
      <td align="center" rowspan="2"> 10-Jan-2000 </td>
    </tr>
  </tr>

  <tr>
    <tr>
      <td align="center" rowspan="2">1103</td>
      <td align="center" rowspan="2">Sita</td>
      <td>500</td>
      <td>400</td>
      <td align="center" rowspan="2">22-Dec-2005</td>
    </tr>
  </tr>
</table>
</body>
</html>
```

Roll-No.	Name	Marks		Date of Birth
		Max. Marks	Obtained Marks	
1101	Ram	500	431	22-Mar-1995
1102	Shyam	500	350	10-Jan-2000
1103	Sita	500	400	22-Dec-2005

List

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title> List </title>
</head>
<body>
    < h2 ><u> List in HTML </u></h2>
    < h3 >Three Types of Lists: </h3>
    <ul>
        <li> Unordered List </li>
        <li> Ordered list </li>
        <li> Defination list </li>
    </ul>

    < h2 ><u >Unordered List </u></h2>
    < h5 > There are three types of Unordered List : </h5>
    <ul>
        <li type="disc">Disc </li>
        <li type="Square" > Square </li>
        <li type="cirle" > Cirle </li>
    </ul>

    <h3><u> Ordered list </u></h3>
    <h5> This includes: </h5>
    <p>(1) Ordered list in Arabic numbers like 1, 2, 3, 4 and so on
    </p>
    <ol>
        <li>One </li>
        <li> Two </li>
    </ol>
```

```html
<p>(1) Ordered list in Uppercase Roman numbers like I, II, III, IV and
    so on </p>
<ol type="I" start="3">
    <li> Three </li>
    <li> Four </li>
</ol>
<p>(1) Ordered list in lowercase Roman numbers like i, ii,
    iii, iv and so on </p>
<ol type="i" start="5">
    <li> Five </li>
    <li> Six </li>
</ol>
<p>(A) Ordered list in Uppercase Alphabetical letters like
    A, B, C, D and so on </p>
<ol type="A">
    <li> Apple </li>
    <li> Ball </li>
</ol>
<p>(A) Ordered list in lowercase Alphabetical letters like
    a, b, c, d and so on </p>
<ol type="a" start="3">
    <li> Apple </li>
    <li> Ball </li>
</ol>
```

```html
<h3><u> Defination list</u><h3>
   <dl>
       <dt> <b> Defination Term: </b></dt>
       <dd >This Defines a term in the Defination list </dd>

       <dt> <b> Defination Description: </b></dt>
       <dd>This Defines the defination in the defination list</dd>
   </dl>
   </body>
   </html>
```

Lists in HTML

Three Types of Lists:

- Unordered List
- Ordered List
- Defination List

Unordered List

There are three types of Unordered list:

- Disc
- Square
- Circle

Ordered List

This includes:

(I) Ordered List in Arabic numbers like 1, 2, 3, 4 and so on

1. One
2. Two

(I) Ordered List in Uppercase Roman numbers like I, II, III, IV and so on

III. Three
IV. Four

(I) Ordered List in Lowercase Roman numbers like i, ii, iii, iv and so on

v. Five
vi. Six

(A) Ordered List in Uppercase Alphabetical Letters like A, B, C, D and so on

A. Apple
B. Ball

(A) Ordered List in Lowercase Alphabetical Letters like a, b, c, d and so on

c. Apple
d. Ball

Defination List

Defination Term:
      This Defines a term in the Defination list
Defination Description:
      This Defines the definition in the definition list

Sample Registration Form

HTML File

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <link rel="stylesheet" href="style.css">
    <title> Registration - form </title>
  </head>
  <body>
      <div class="container">
        <form action="post">
          <h1><u> Registration Form </u></h1>
          <div>
            <label for="name"> Name </label>
            <input type="text" id="name">
          </div>
          <div>
            <label for="father"> Father Name </label>
            <input type="text" id="father">
          </div>
          <div>
            <label for="mother"> Mother Name </label>
            <input type="text" id="mother">
          </div>
          <div>
            <label for="dob"> Date of Birth </label>
            <input type="date" id="dob">
          </div>
```

```html
        <div>
            <label for="add"> Address </label>
            <input type="text" id="add">
        </div>
        <div>
            <label for="email"> Email </label>
            <input type="email" id=email>
        </div>

        <div>
            <label for="tel"> Telephone </label>
            <input type="tel" id="tel">
        </div>
        <div>
            <button type="submit"> Submit </button>
        </div>

    </form>
  </div>
 </body>
</html>
```

CSS File

```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
```

```css
.container {
    height : 60 vh;
    width : 50 %;
    display : flex;
    justify - content : center;

    margintop ; 20 px;

    padding : 20 px;

    text - align : justify;
}
.container h1 {
        margin : 20 px;
}
label {
    font - size : 22 px;

    margin : 0px  5px;
}
input {
    margin : 10px;
    padding : 5px;
    font - size : 17 px;
}
button {
    width : 15vh;
    height : 3vh;
    font - size : 18 px;
}
```

<u>Registration Form</u>

Name

Father Name

Mother Name

Date of Birth   mm / dd / yyyy 📅

Address

Email

Telephone

[Submit]

Onload JavaScript Function

```
<!DOCTYPE html>
<html lang = "en">
  <head>
    <title> Document </title>
    <script type = "tont/JAVASCRIPT">
      function message (){
        alent (" This bon is called with onlood event");
      }
    </script>
  </head>

  <body onload = message () >

    <script type = "tont/JAVASCRIPT">
    dozument.write ("This message is written by
    JAVASCRIPT");
    </script>

  </body>
</html>
```
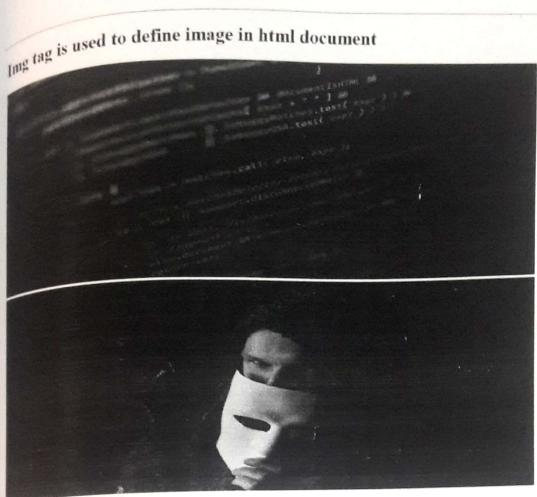
Document   ×   +

← → C   ① 127.0.0.1:5500/onload.html

This message is written by JAVASCRIPT

127.0.0.1:5500 says

This box is called with onload event

OK

Image tag and links

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title> Document </title>
</head>
<body>
    <div>
        <h1>Img tag is used to define image in html document
        </h1>
        <img src="imaged.jpg.jpg" alt="Image not found" width="50%"
        height="350vh"><br>

        <img src="image2.jpg.jpg" alt="Image not found" width="50%"
        height="350vh"><br>

    </div>
    <div>
        <h1> Anchor tag is used to define link in html
        document for external access </h1>
        <a href="Https://www.facebook.com"> Facebook </a><br>
        <a href="https://www.google.com"> Google </a>

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

Img tag is used to define image in html document

Anchor tag is used to define link in html document for external excess

Facebook
Google

Frameset in HTML:

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

<head>
    <title>Document</title>
</head>
<body>
    <frameset cols="*,*,*">
        <frameset rows="*,*;">
            <frame src="frame_1.html">
            <frame src="frame-2.html">
        </frameset>
        <frame src="frame-3.html">
        <frame src="frame-4.html">
    </frameset>
</body>
</html>
```

Creating Form Using Visual Stdio, Xampp with Database

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using MySql.Data.MySqlClient;


namespace classdemo_app{
    public partial class Form1 : Form{

        MySql Connection con = new MySqlConnection ("datasource= local-
        host; port= 3306; username = root; password= ");
        MySqlCommand cmd;
        MySqlDataAdapter adpt;

        public form1 (){
            InitializeComponent ();
            DisplayData ();
        }
        private void btnInsert_Click (object sender, EventArgs e){
            MySqlCommand cmd1 = new MySqlCommand ("SELECT *
            FROM accountinfo.userinfo WHERE Username =@UserName",
            con );
```

```
cmd.Parameters.AddWithValue ("@UserName", txtUsername.Text);
con.Open();
bool userExists = false;
using (var drd = cmd.ExecuteReader())
        if (userExists = drd.HasRows)
                MessageBox.Show ("Username not available!", "ERROR",
                MessageBoxButtons.OK, MessageBoxIcon.Error);
    con.Close();
    if (!(userExists)){
        if (txtUsername.Text != "" && txtPassword.Text != ""){
            cmd = new MySqlCommand ("insert into account info.userinfo (ID,
            Username, Password) values (NULL, @name, @pass)", con);
            con.Open();
            cmd.Parameters.AddWithValue ("@id", txtID.Text);
            cmd.Parameters.AddWithValue ("@name", txtUsername.Text);
            cmd.Parameters.AddWithValue ("@pass", txtPassword.Text);
            cmd.ExecuteNonQuery();
            con.Close();
            MessageBox.Show ("Record Successfully Added", "INSERT",
            MessageBoxButton.OK, MessageBoxIcon.Information);
            DisplayData();
            ClearData();
        }
    else
        MessageBox.Show ("Fill out all the information needed"; "ERROR",
        MessageBoxButtons.Ok, MessageBoxIcon.Error);
        }
    }
}
```

```csharp
private void DisplayData() {
    con.Open();
    DataTable dt = new DataTable();
    adapt = new MySqlDataAdapter("Select * from acountinfo.userinfo",
    con);
    adapt.Fill(dt);
    dataGridView1.DataSource = dt;
    con.Close();
}


private void ClearData() {
    txtID.Text = "";
    txtUsername.Text = "";
    txtPassword.Text = "";
}


private void btnUpdate_Click(object sender, EventArgs e) {
    if (txtUsername.Text != "" && txtPassword.Text != "" &&
    txtID.Text != "") {
        cmd = new MySqlCommand("update acountinfo.userinfo set
        Username = @name, Password = @pass where ID = @id", con);
        con.Open();
        cmd.Parameters.AddWithValue("@id", txtID.Text);
        cmd.Parameters.AddWithValue("@name", txtUsername.Text);
        cmd.Parameters.AddWithValue("@pass", txtPassword.Text);
        cmd.ExecuteNonQuery();
        MessageBox.Show("Record Successfully Updated", "UPDATE",
        MessageBoxButtons.OK, MessageBoxIcon.Information);
        con.Close();
        DisplayData();
        clearData();
    }
```

```csharp
else{
    MessageBox.Show("Select the record you want to Update", "ERROR",
    MessageBoxButtons.OK, MessageBoxIcon.Error);
    }
}

private void btnDelete_Click(object sender, EventArgs e){
    if (txtUsername.Text != " " && txtPassword.Text != " " &&
    txtID.Text != " "){
        cmd = new MySqlCommand("delete from acountinfo.userinfo
        where ID=@id", con);
        con.Open();
        cmd.Parameters.AddWithValue("@id", txtID.Text);
        cmd.ExecuteNonQuery();
        con.Close();
        MessageBox.Show("Record Successfully Deleted", "DELETE",
        MessageBoxButtons.OK, MessageBoxIcon.Information);
        DisplayData();
        ClearData();
    }
    else{
        MessageBox.Show("Select the record you want to Delete",
        "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);
    }
}

private void dataGridView1_RowHeaderMouseClick(object sender,
DataGridViewCellMouseEventArgs e){
    txtID.Text = dataGridView1.Rows[e.RowIndex].Cells[0].Value.ToString();
    txtUsername.Text = dataGridView1.Rows[e.RowIndex].Cells[1].Value.ToString();
    txtPassword.Text = dataGridView1.Rows[e.RowIndex].Cells[2].Value.ToString();
}
}
```