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Define multipart form data

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The encoding process is performed before data is sent to the server as spaces are converted to (**+**) symbol and non-alphanumeric characters or special characters are converted to hexadecimal (**0-9, A-F**) values as the ASCII character set is the format for sending data on the Internet. So, the real purpose of encoding is to make the data in a standard format so that it can be sent on the Internet.

Multipart form data: The ENCTYPE attribute of <form> tag specifies the method of encoding for the form data. It is one of the two ways of encoding the HTML form. It is specifically used when file uploading is required in HTML form. It sends the form data to server in multiple parts because of large size of file.

Syntax:

```
<form action="login.php" method="post"
    enctype="multipart/form-data">
</form>
```

Approach: In this example, we are creating a simple HTML form **(uploading.html)** for uploading an image file to the server. The server will process the **POST** request of HTML form using **uploading.php** file. The uploading code will upload the file to the folder **"upload-images"** and will be displayed on the browser as well.

AD

uploading.htm

```html
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8" />
    <title>Multipart Form Data</title>
  </head>
  <body>
    <form action="uploading.php" method="POST"
          enctype="multipart/form-data">
     <h4>Browse your file</h4>
        <input type="file" name="uploadfile" /> <br><br>
        <input type="submit" value="Upload File"/>
    </form>
  </body>
</html>
```

uploading.php

```php
<?php
error_reporting(0);
$filename = $_FILES["uploadfile"]["name"];
$tempname = $_FILES["uploadfile"]["tmp_name"];
$folder = "upload-images/".$filename;
move_uploaded_file($tempname,$folder);
echo "<img src='$folder' height=100 width=100 />";
?>
```

Output:

1.   What does enctype='multipart/form-data' mean in an html form ?

2.   Understanding HTML Form Encoding: URL Encoded and Multipart Forms

3.   How to define a form for user input using HTML5 ?

4.   How to define the HTTP method for sending data to the action URL in HTML5?

5.   How to define the URL of an external script file in HTML5 ?

6.   How to define a client-side script in HTML5 ?

7.   How to define all the list properties in one declaration using CSS ?

8.   How to define a caption for a fieldset element in HTML5 ?

9.   How to define colors as variables in CSS ?

10.   How to define marked/highlighted text using HTML5 ?

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