

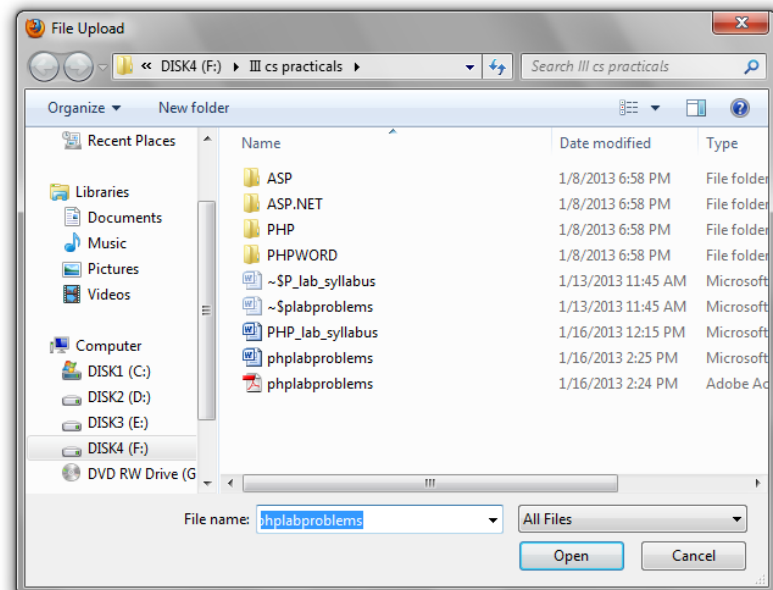
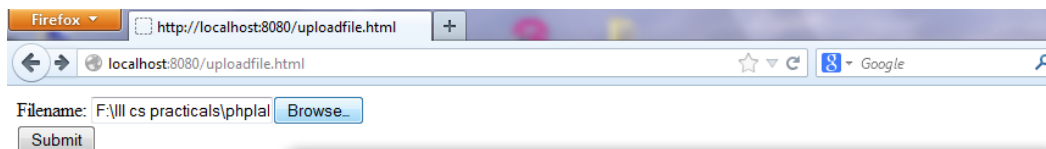
Create an Upload-File Form

To allow users to upload files from a form can be very useful. The form has to be set as a multipart form if the file upload commands are to be used. In the form element, enctype attribute is to be set to “multipart/form-data”.

Look at the following HTML form for uploading files:

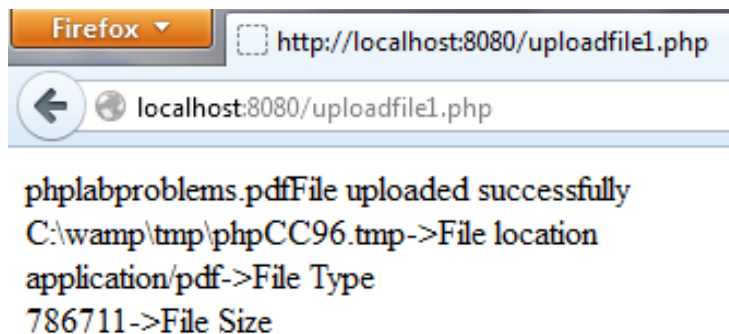
//uploadfile.html

```
<html>
<body>
<form method="post" enctype="multipart/form-data" action="uploadfile1.php">
<label for="file">Filename:</label>
<input type="file" name="file" id="file"><br>
<input type="submit" name="submit" value="Submit">
</form>
</body>
</html>
```



//uploadfile1.php

```
<?php
if(isset($_POST['submit']))
{
$error=$_FILES['file']['error'];
if($error==UPLOAD_ERR_OK)
{
echo $_FILES['file']['name']."File uploaded successfully<br>";
echo $_FILES['file']['tmp_name']."->File location<br>";
echo $_FILES['file']['type']."->File Type<br>";
echo $_FILES['file']['size']."->File Size<br>";
}
else
{
echo $_FILES['file']['error']."->Error uploading<br>";
}
}
?>
```



By using the global PHP `$_FILES` array you can upload files from a client computer to the remote server.

The first parameter is the form's input name and the second index can be either "name", "type", "tmp_name", or "error". Like this:

- `$_FILES['file']['name']` - the name of the uploaded file
- `$_FILES['file']['type']` - the type of the uploaded file
- `$_FILES['file']['size']` - the size in bytes of the uploaded file
- `$_FILES['file']['tmp_name']` - the name of the temporary copy of the file stored on the server
- `$_FILES['file']['error']` - the error code resulting from the file upload.

RESTRICTIONS OF UPLOAD

We can add restrictions to uploaded files like size, type of files allowed etc.

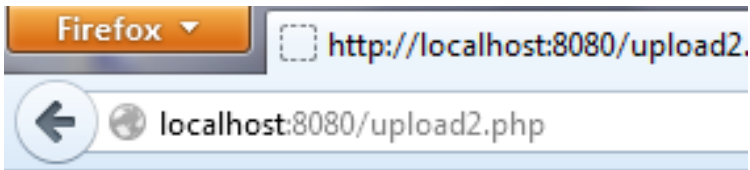
In the below program the user can upload files of type .gif,.jpeg and of size under 20kb

```
<?php
if(isset($_POST['submit']))
{
if((($_FILES['file']['type'] == "image/gif")
|| ($_FILES['file']['type'] == "image/jpeg")
|| ($_FILES['file']['type'] == "image/png"))
&& ($_FILES['file']['size'] < 20000))
{
if($_FILES['file']['error'] > 0)
{
echo "<br>Error: " .$_FILES['file']['error'];
}
else
{
echo "<br>upload " .$_FILES['file']['name'];
echo "<br>type " .$_FILES['file']['type'];
echo "<br>size " .($_FILES['file']['size']/1024);
echo "<br>stored in " .$_FILES['file']['tmp_name'];

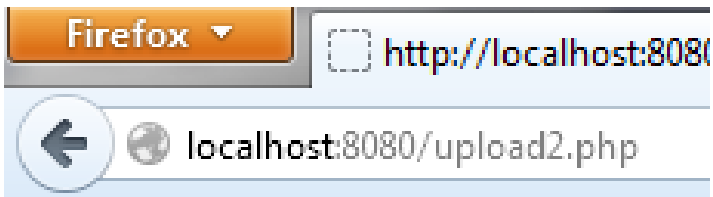
}
}
else
{
echo " ->Invalid file<br>";
echo "<br>size " .($_FILES['file']['size']/1024);

}
}
}
```

?>



upload Diabetic_Macular_Edema-2.jpg
type image/jpeg
size 8.34765625
stored in C:\wamp\tmp\php755E.tmp



->Invalid file

size 20.69921875

SAVING THE UPLOADED FILE

You can save the uploaded file by using **move_uploaded_file** function.

Syntax:

```
bool move_uploaded_file( string filename, string destination)
```

filename

The temporary filename of the uploaded file.

destination

The new location and name for the uploaded file.

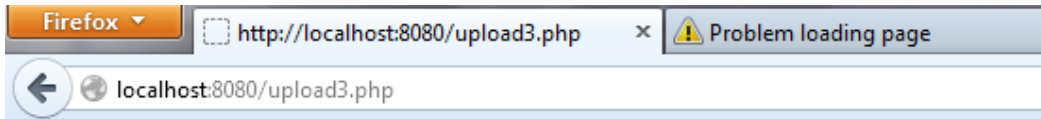
Moves an uploaded file.

This function moves an uploaded file to the specified location. For security reasons, it is a good idea to always use this function on uploaded files. `move_uploaded_file()` checks that the file is an uploaded file before moving it. If the file was successfully moved, `TRUE` is returned. Otherwise `FALSE` is returned.

//upload3.php

```
<?php
if(isset($_POST['submit']))
{
if((($_FILES['file']['type'] == "image/gif")
|| ($_FILES['file']['type'] == "image/jpeg")
|| ($_FILES['file']['type'] == "image/png"))
&& ($_FILES['file']['size'] < 30000))
{
if($_FILES['file']['error'] > 0)
{
echo "<br>Error: " .$_FILES['file']['error'];
}
else
{
echo "<br>upload " .$_FILES['file']['name'];
echo "<br>type " .$_FILES['file']['type'];
echo "<br>size " .($_FILES['file']['size']/1024);
echo "<br>stored in " .$_FILES['file']['tmp_name'];

if(file_exists("upload/" .$_FILES['file']['name']))
{
echo $_FILES['file']['name']. "already exists";
}
else
{
move_uploaded_file($_FILES['file']['tmp_name'], "upload/" .$_FILES['file']['name']
)];
echo "Stored in : " . "upload/" .$_FILES['file']['name'];
}
}
}
else
{
echo " ->Invalid file<br>";
echo "<br>size " .($_FILES['file']['size']/1024);
}
}
?>
```



upload Diabetic_Macular_Edema-2.jpg

type image/jpeg

size 8.34765625

stored in C:\wamp\tmp\phpB346.tmp Stored in : upload/Diabetic_Macular_Edema-2.jpg