



File System

1. Disk Space Functions:

- `disk_total_space()` : Returns the total space available on a disk.
- `disk_free_space()` : Returns the free space available on a disk.
- `file_exists()` : Checks if a file or directory exists.
- `filesize()` : Returns the size of a file in bytes.

Example:

```
echo round(disk_total_space("C:") / 1024 / 1024 / 1024) .  
"<br>"; // Total space in GB  
echo round(disk_free_space("C:") / 1024 / 1024 / 1024) . "  
<br>"; // Free space in GB  
var_dump(file_exists("elzero.txt")); // Check if the file  
exists  
echo filesize("elzero.txt"); // Get file size
```

2. Directory Functions:

- `is_dir()` : Checks if a path is a directory.
- `mkdir()` : Creates a new directory.
- `rmdir()` : Removes a directory.

Example:

```
echo '<br>';  
mkdir("Test/Upload/Files", 0777, true); // Create directo
```

```

ries with permissions
rmdir("Test"); // Remove a directory
var_dump(file_exists("Test/Upload/Files")); // Check if directory exists

```

3. File Permissions Functions:

- `chmod()` : Changes file or directory permissions.
- `fileperms()` : Returns the permissions of a file.
- `clearstatcache()` : Clears the stat cache.

Example:

```

chmod("Y", 0644); // Change permissions to rw-r--r--
clearstatcache();
echo fileperms("Y") . "<br>"; // Get file permissions

```

4. File Path Functions:

- `basename()` : Returns the file name from a path.
- `dirname()` : Returns the directory path.
- `realpath()` : Returns the absolute path.
- `pathinfo()` : Returns information about a file path.

Example:

```

echo basename(__FILE__) . "<br>"; // Get the file name
echo dirname(__FILE__, 3) . "<br>"; // Get the directory
path 3 levels up
echo realpath(__FILE__) . "<br>"; // Get the absolute path

```

5. File Opening and Reading:

- `fopen()` : Opens a file for reading or writing.

- `fgets()` : Reads a line from an open file.
- `fread()` : Reads content from a file.
- `fclose()` : Closes an open file.

Example:

```
$handle = fopen("elzero.txt", "r");
echo fread($handle, 1024); // Read 1024 bytes from the file
fclose($handle); // Close the file
```

6. File Writing:

- `fwrite()` : Writes data to an open file.
- `file_put_contents()` : Writes data to a file (creates or appends).

Example:

```
$handle = fopen("elzero.txt", "a");
fwrite($handle, "\r\nThis Is A New Line");
fclose($handle);
echo file_put_contents("elzero.txt", "\r\nThis Is New Line", FILE_APPEND); // Append to file
```

7. File Handling with `glob()`, `rename()`, `copy()`, `unlink()` :

- `glob()` : Finds pathnames matching a pattern.
- `rename()` : Renames or moves a file.
- `copy()` : Copies a file.
- `unlink()` : Deletes a file.

Example:

```
echo "<pre>";
print_r(glob("Old/*.txt")); // List files in 'Old' director
```

```

y
echo "</pre>";

rename("Old/Test.txt", "Old/Testing.txt"); // Rename a fi
le
copy("Old/Info.docx", "New/info.docx"); // Copy a file
unlink("Old/Work.rtf"); // Delete a file

```

8. File Content Functions:

- `file_get_contents()` : Reads the entire file into a string.
- `file_put_contents()` : Writes data to a file.

Example:

```

echo file_get_contents("elzero.txt"); // Read file conten
t
echo file_put_contents("elzero.txt", "New Line", FILE_APPE
ND); // Append new line to file

```

9. File Pointer Functions:

- `rewind()` : Moves the pointer to the beginning of the file.
- `ftell()` : Returns the current position of the pointer.
- `fseek()` : Moves the pointer to a specific position.

Example:

```

$handle = fopen("elzero.txt", "r");
rewind($handle); // Move pointer to the beginning
echo ftell($handle) . "<br>"; // Get current pointer posi
tion
fseek($handle, -6, SEEK_END); // Move pointer 6 bytes bef
ore the end
fclose($handle);

```