File
Handling
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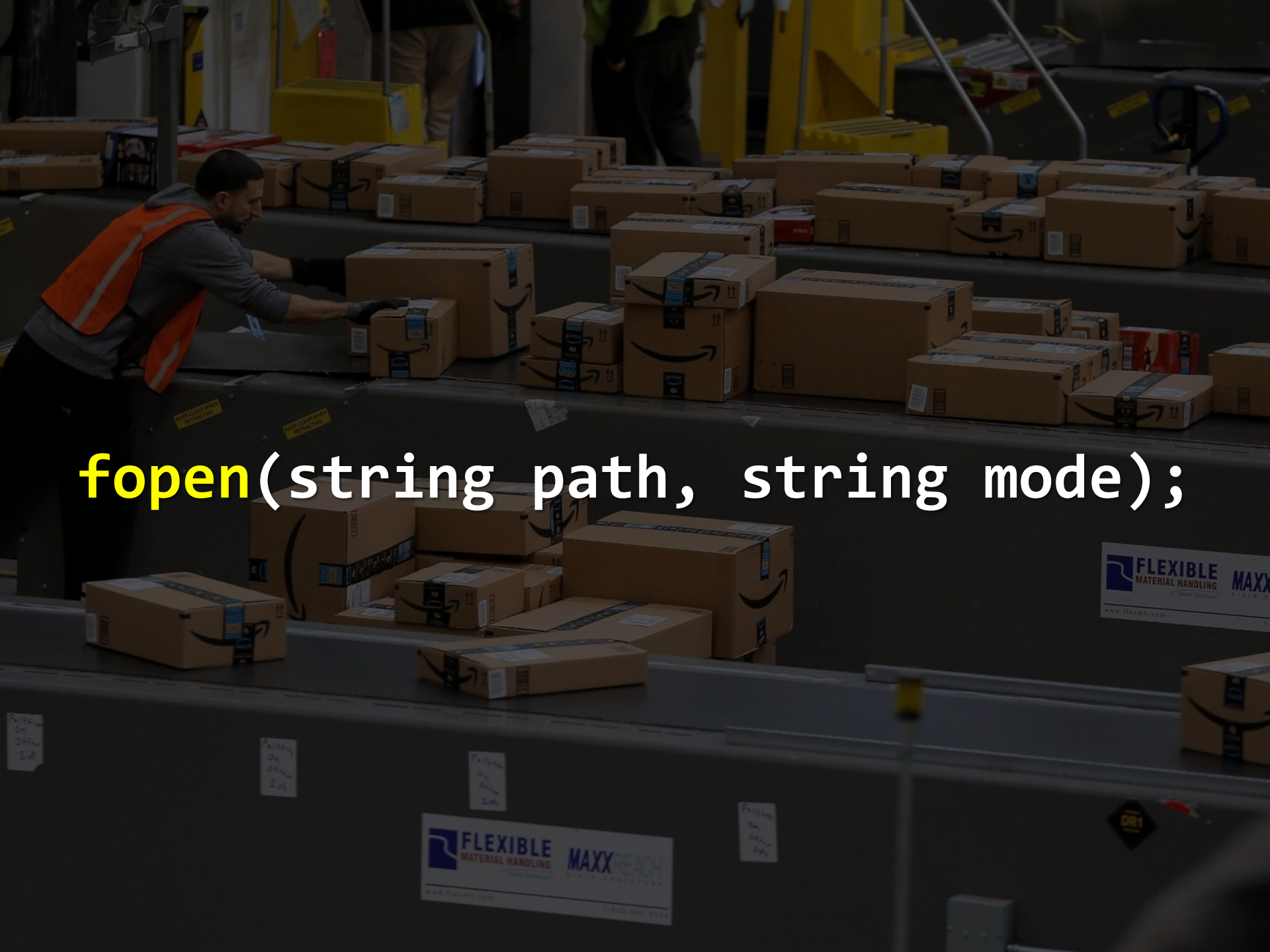
fopen(string path, string mode);
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The function opens
the file specified by path
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If path begins with http://,
an HTTP connection is opened
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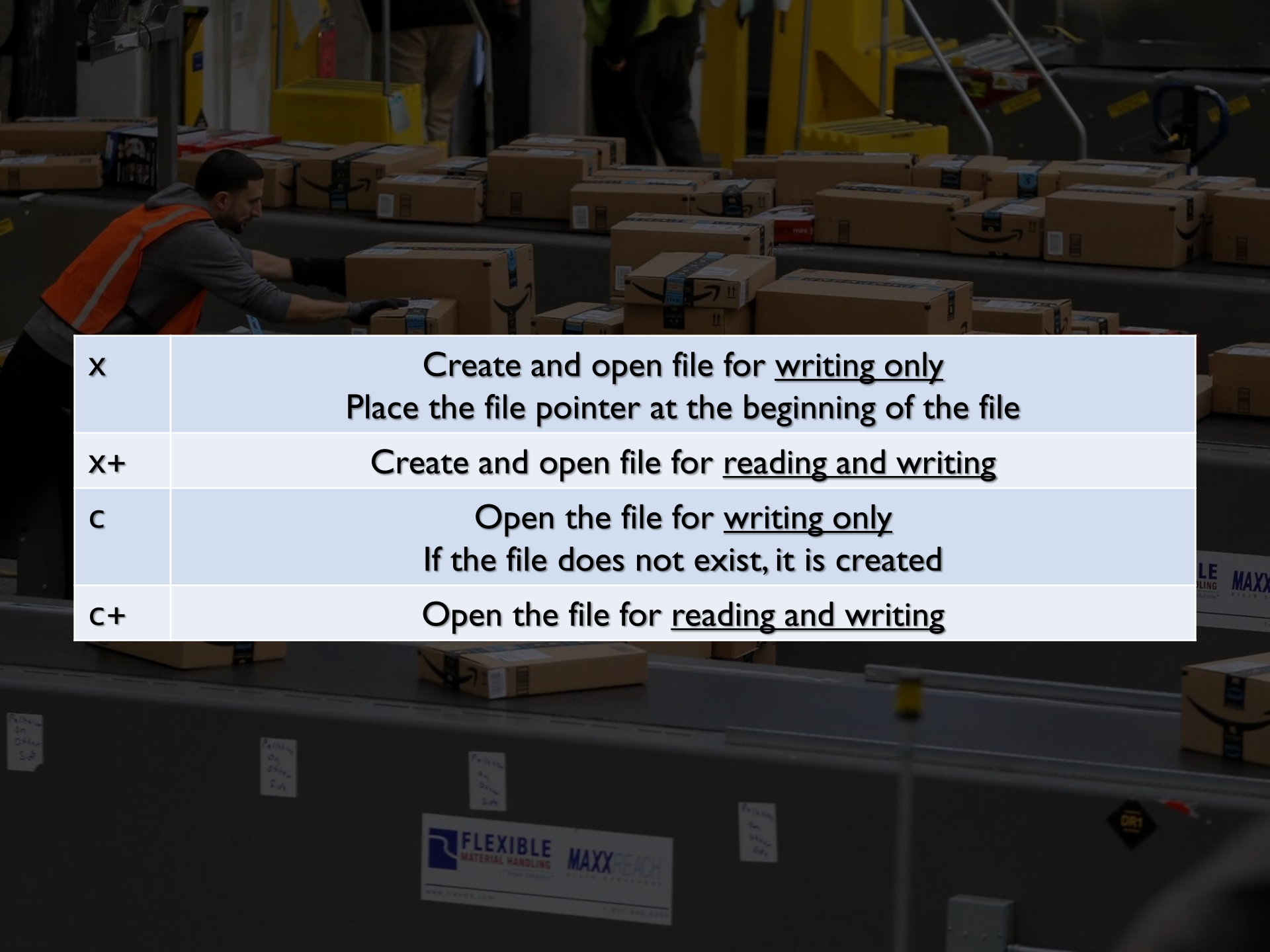
If path begins with ftp://,
an FTP connection is opened

| | |
|---|---|
| r | Open the file for reading<br>File pointer will be at beginning of file |
| r+ | Open the file for reading and writing<br>File pointer will be at beginning of file |
| w | Open the file for writing<br>If the file exists, it will be truncated to zero length<br>If the file doesn't already exist, it will be created |
| w+ | Open the file for reading and writing<br>If the file exists, it will be truncated to zero length<br>If the file doesn't already exist, it will be created |
| a | Open the file for writing<br>If the file exists, the file pointer will be at the end of the file<br>If the file does not exist, it will be created |
| a+ | Open the file for reading and writing<br>If the file exists, the file pointer will be at the end of the file<br>If the file does not exist, it will be created |



| | |
|---|---|
| x | Create and open file for writing only<br>Place the file pointer at the beginning of the file |
| x+ | Create and open file for reading and writing |
| c | Open the file for writing only<br>If the file does not exist, it is created |
| c+ | Open the file for reading and writing |

The function returns a file
resource handle to the open file
(it doesn't read the file contents)

$file_handle = fopen('article.txt', 'r+');

```
$file_handle = fopen('article.txt', 'r+');
```

```
$file_handle = fopen('article.txt', 'a+');
```

To read the contents of the file,
use fread()

It accepts two parameters:
the file handle and length
of the contents to read
(in bytes)

$file_handle = fopen('article.txt', 'r');
$contents = fread($file_handle, 1024);
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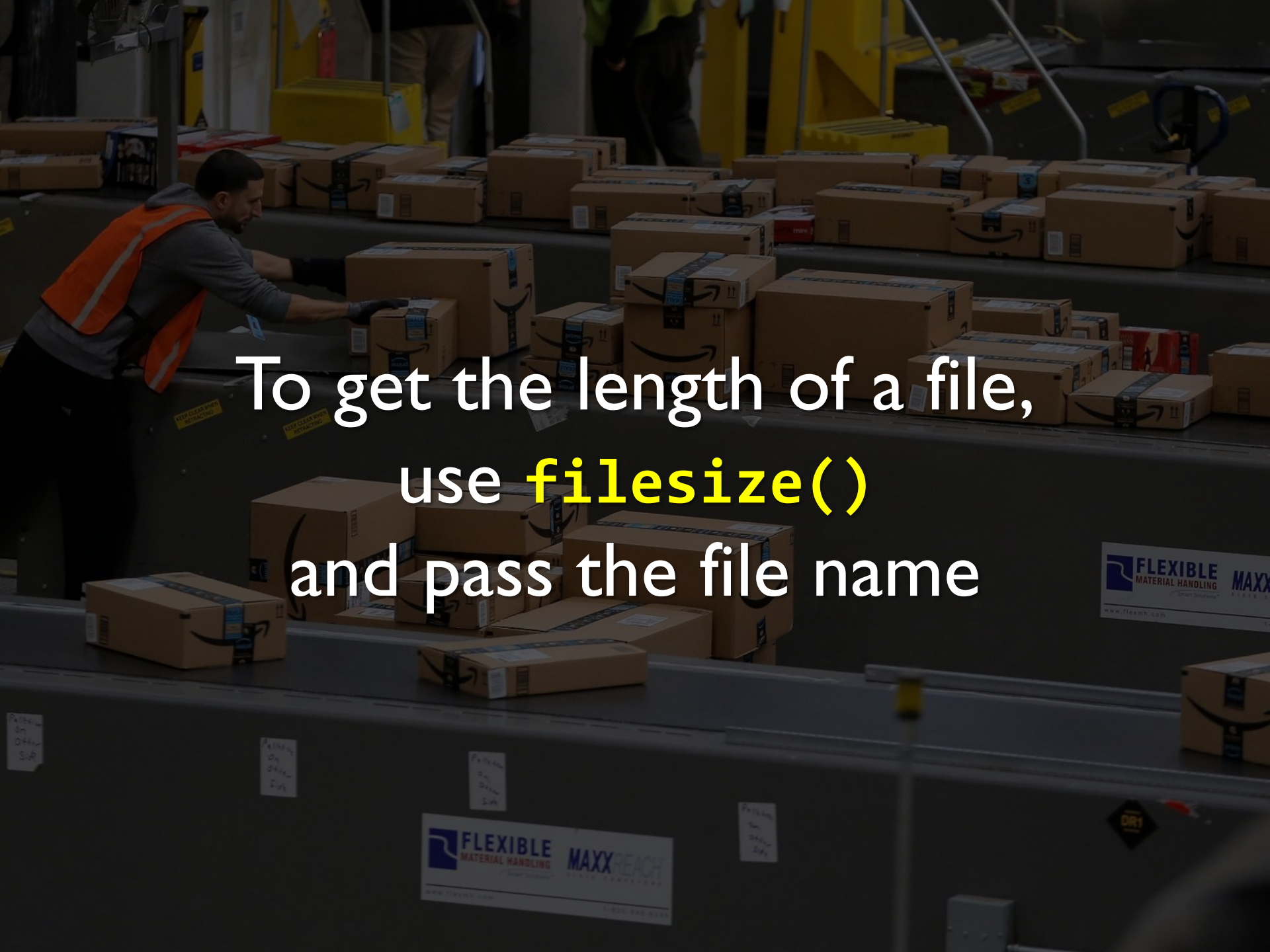
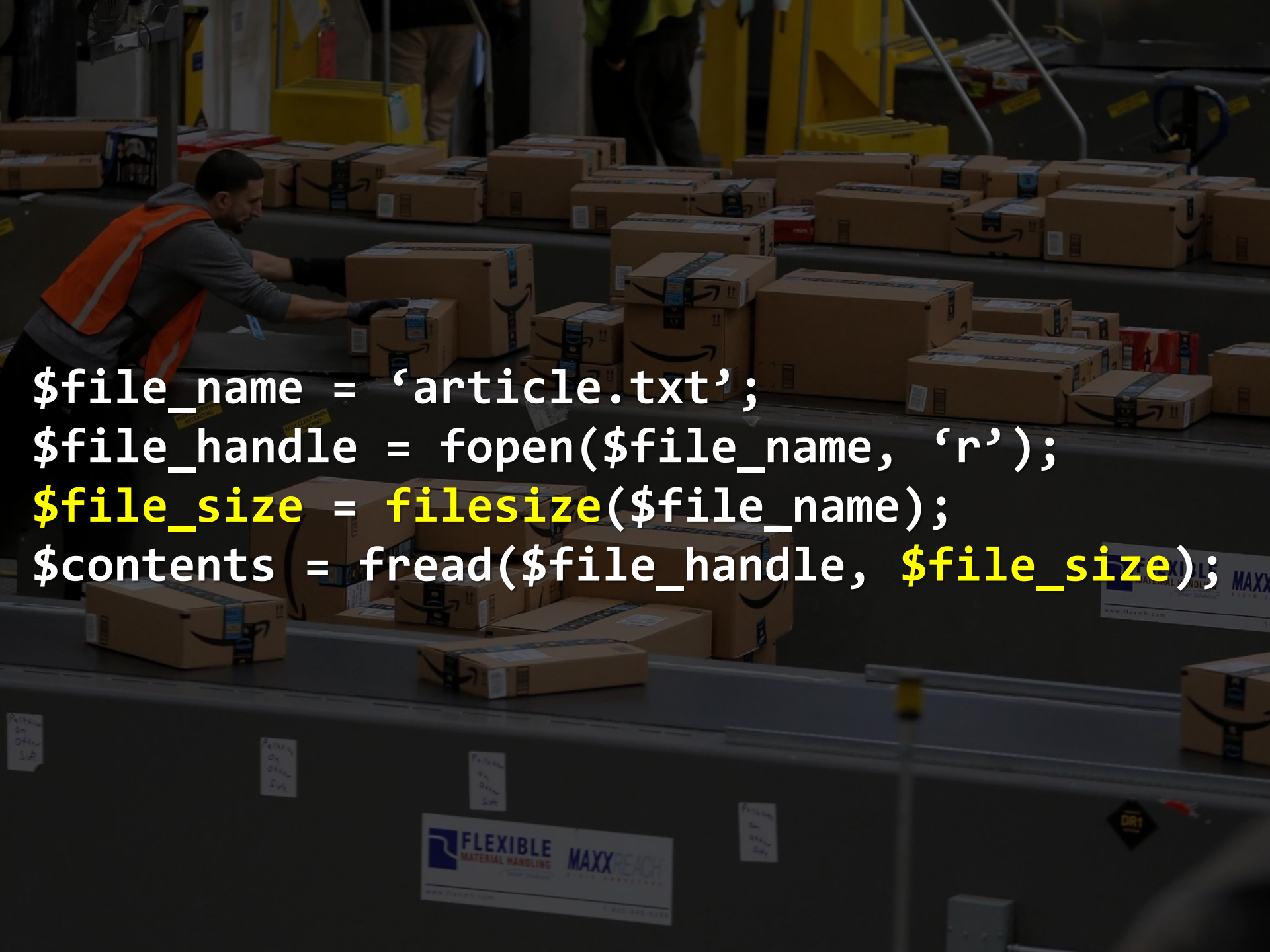

To get the length of a file,
use filesize()
and pass the file name



```
$file_name = ‘article.txt’;
$file_handle = fopen($file_name, ‘r’);
$file_size = filesize($file_name);
$contents = fread($file_handle, $file_size);
```

Always check the file existence
before reading its contents
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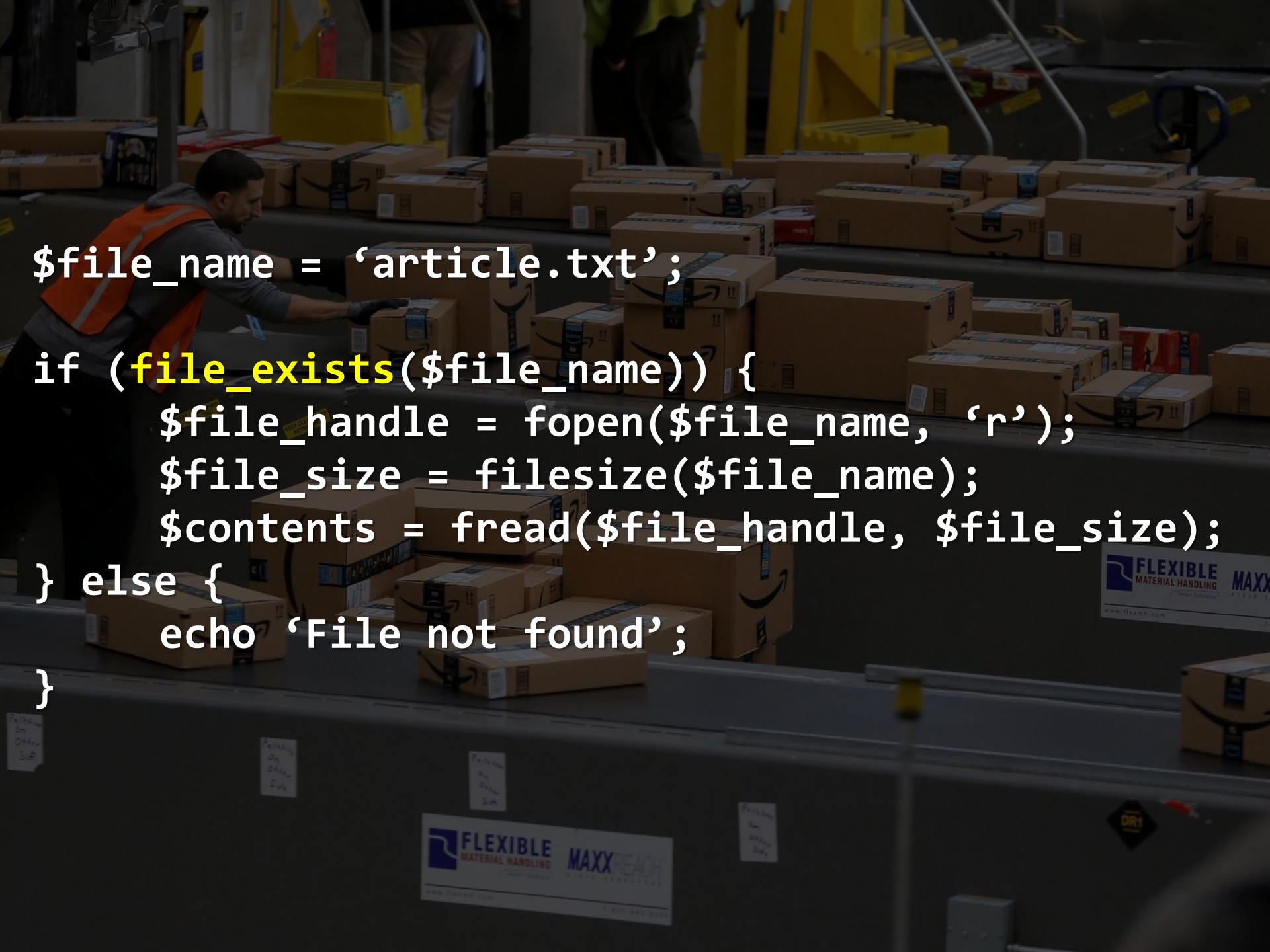
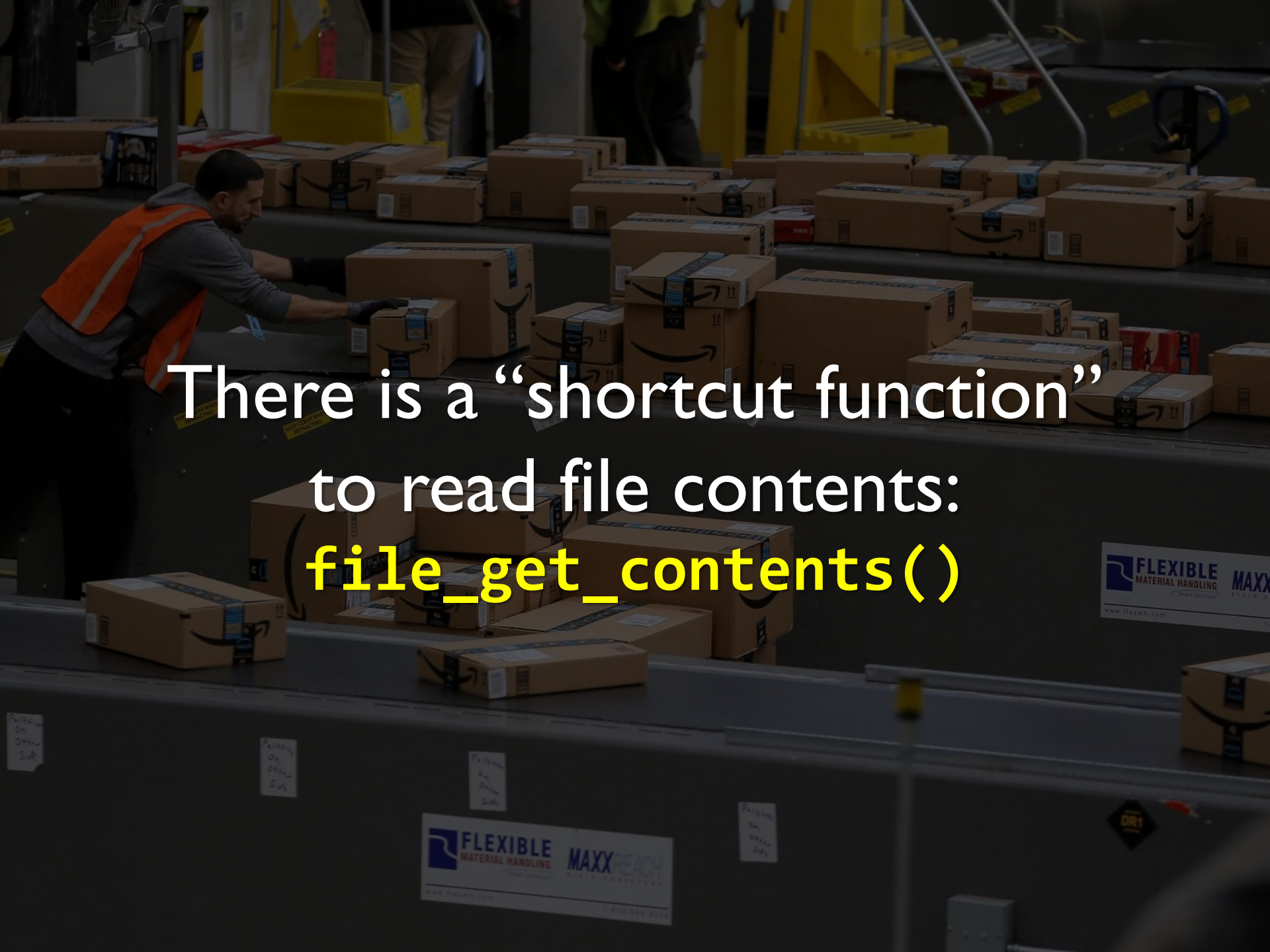
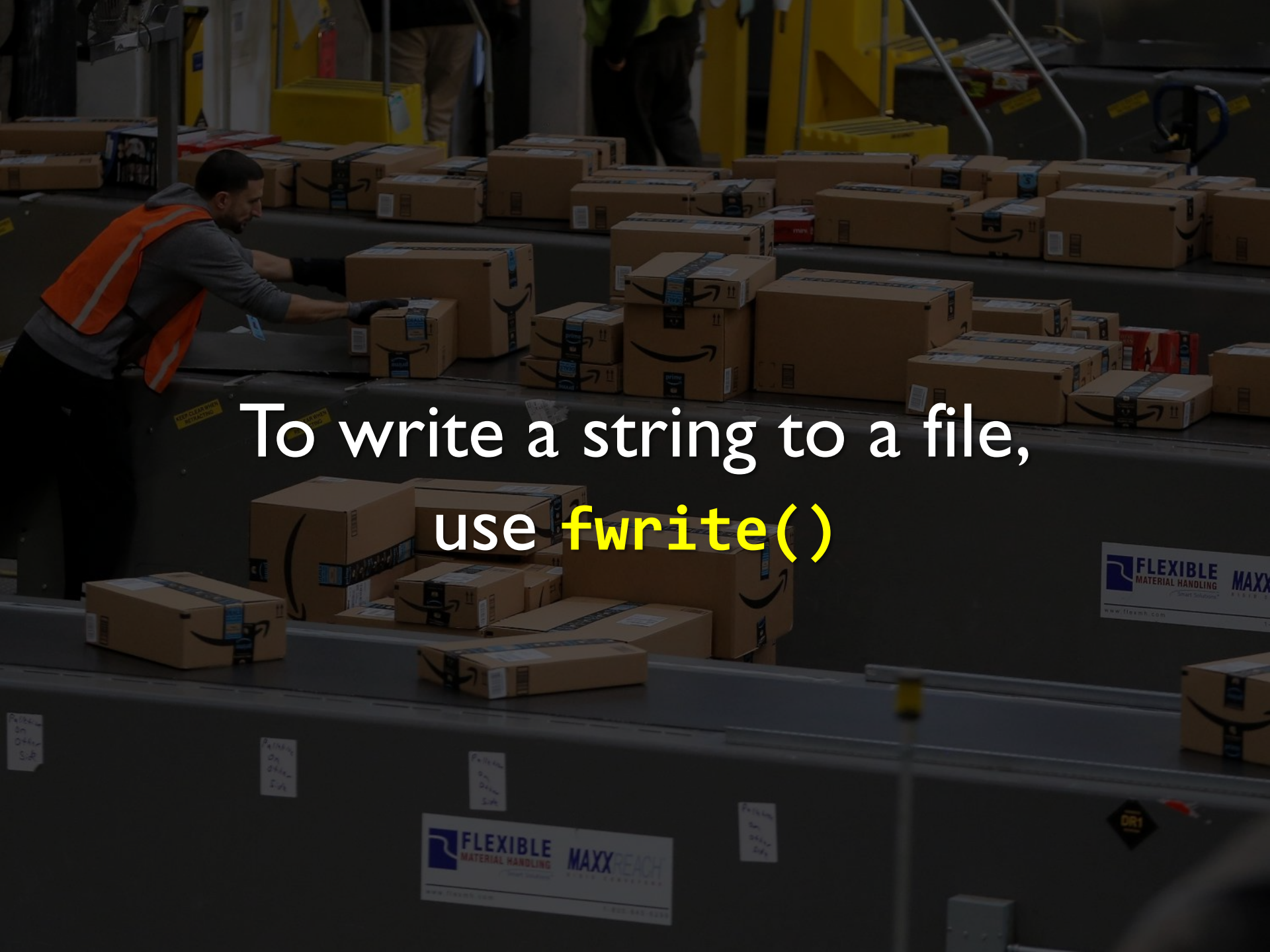


```
$file_name = ‘article.txt’;

if (file_exists($file_name)) {
      $file_handle = fopen($file_name, ‘r’);
      $file_size = filesize($file_name);
      $contents = fread($file_handle, $file_size);
} else {
      echo ‘File not found’;
}
```


There is a “shortcut function”
to read file contents:
file_get_contents()

$contents = file_get_contents('article.txt');


To write a string to a file,
use fwrite()

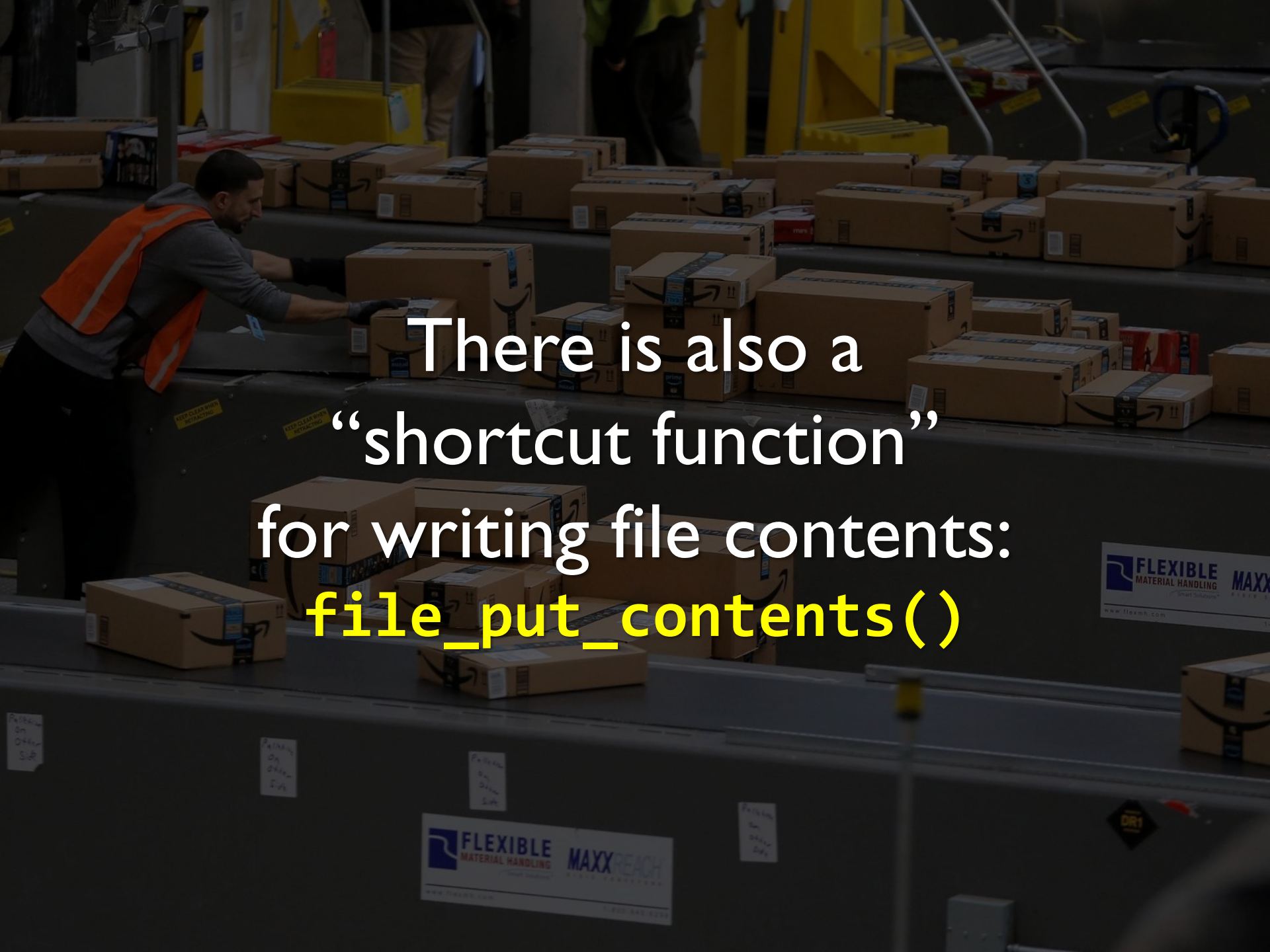
$file_handle = fopen('article.txt', 'r+');
fwrite($file_handle, 'A string');

```
$file_handle = fopen('article.txt', 'r+');
```

```
fwrite($file_handle, ‘Enam’);
```

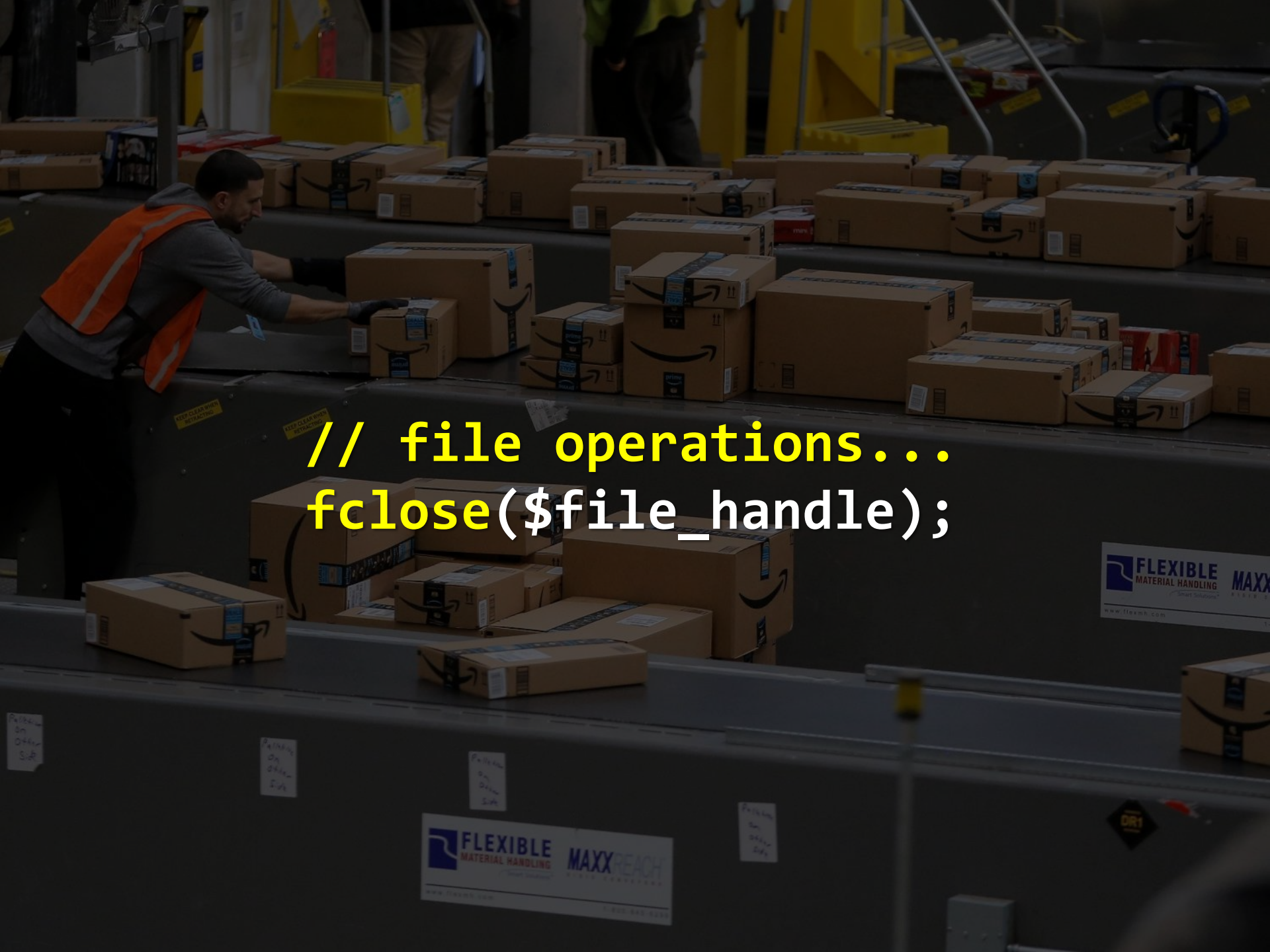
```
$file_handle = fopen('article.txt', 'a');
```

```
fwrite($file_handle, ‘, satu jiwa’);
```


There is also a
“shortcut function”
for writing file contents:
file_put_contents()

file_put_contents(‘article.txt’, ‘A string’);

Finally, release the file handle
using the fclose() function


// file operations...
fclose($file_handle);
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There are numerous
file-related utility functions
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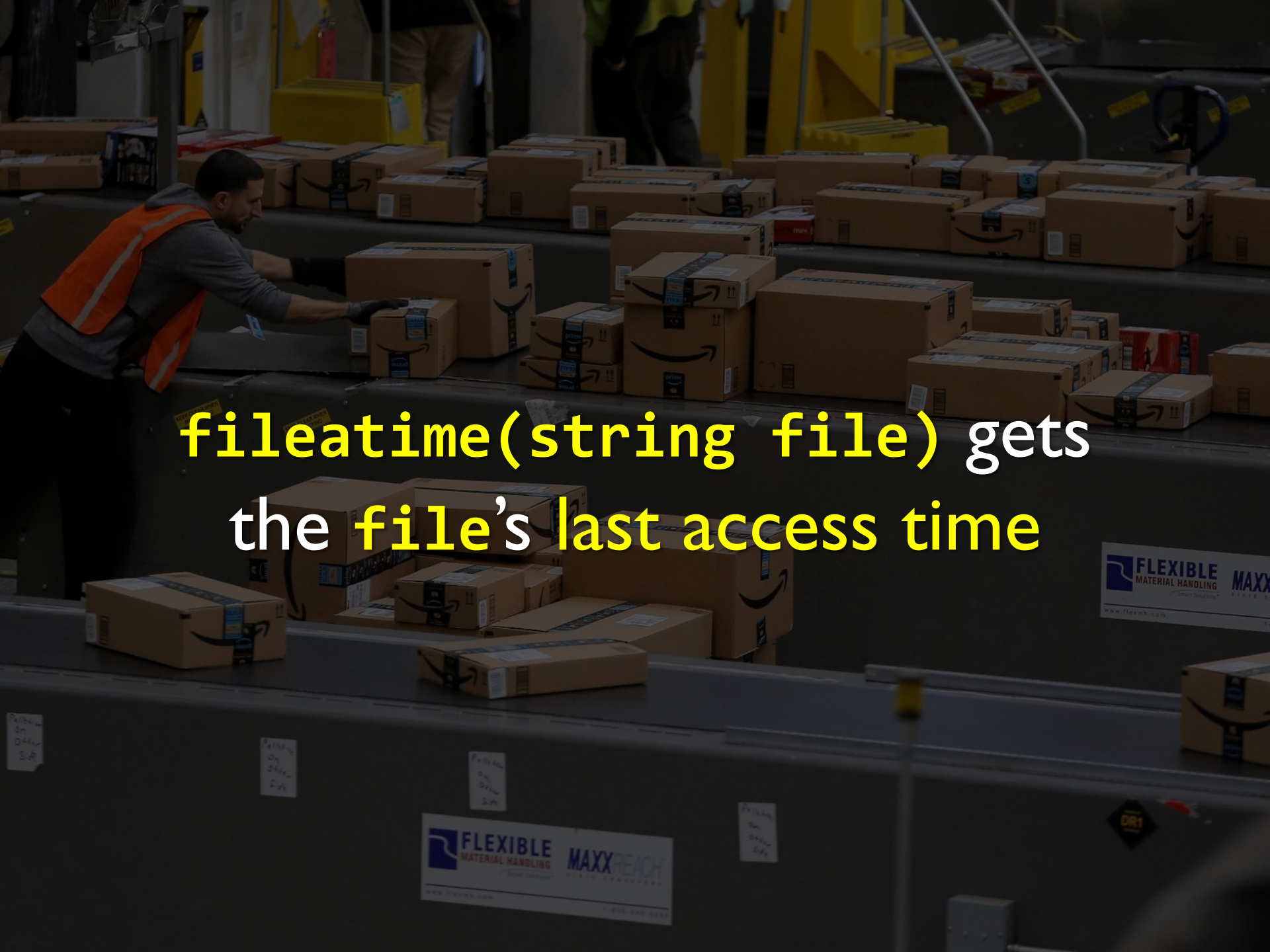
fileatime(string file) gets
the file's last access time
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filemtime(string file) gets
the file's last modified time
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fileowner(string file) gets
the file's owner's user ID
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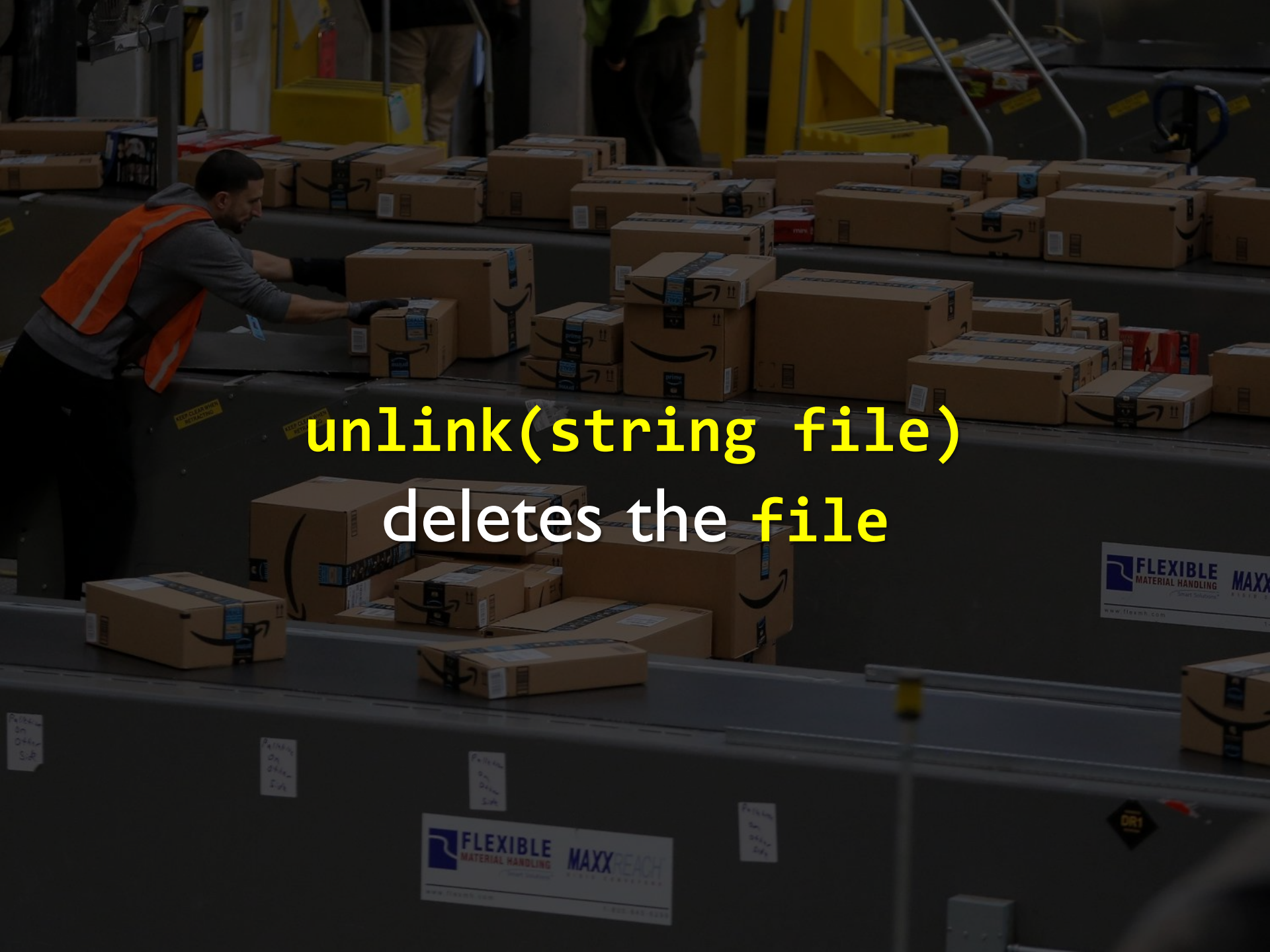
fileperms(string file) gets
the file's permissions

filetype(string file) gets
the type of the file


unlink(string file)
deletes the file

rename(string old, string new)
renames a file
from old to new

copy(string src, string dst)
copies src file to dst

File
Uploads
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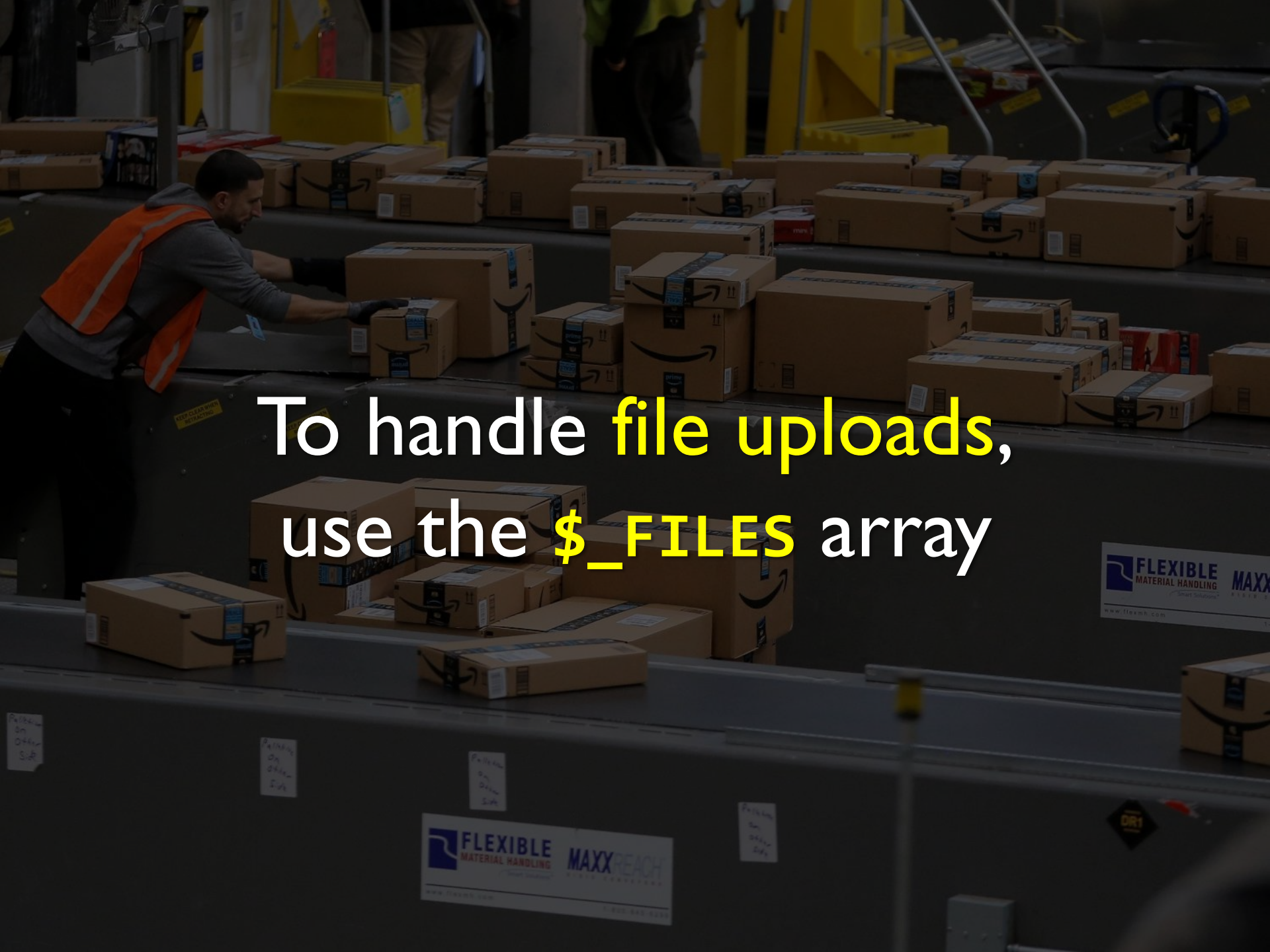
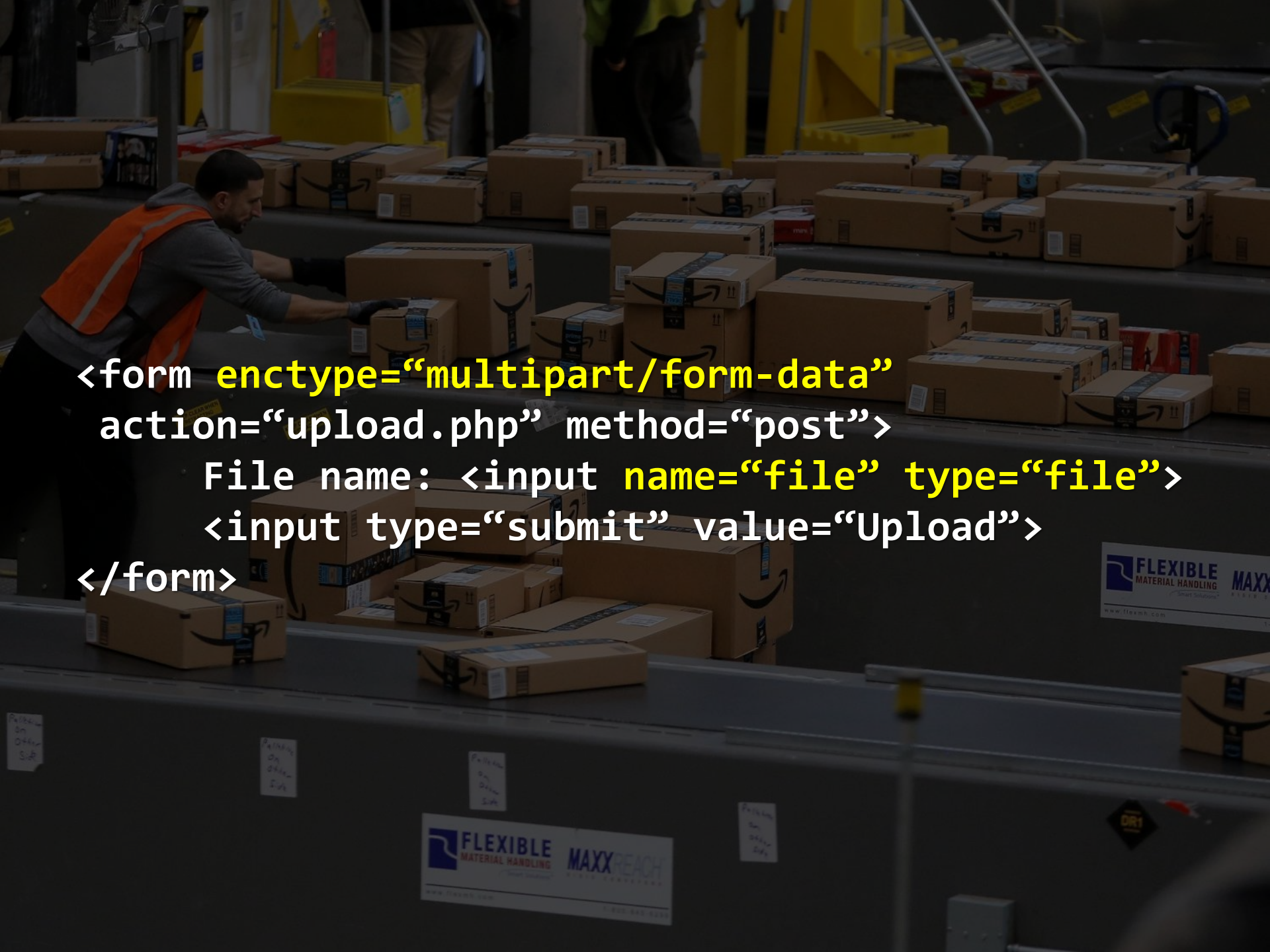
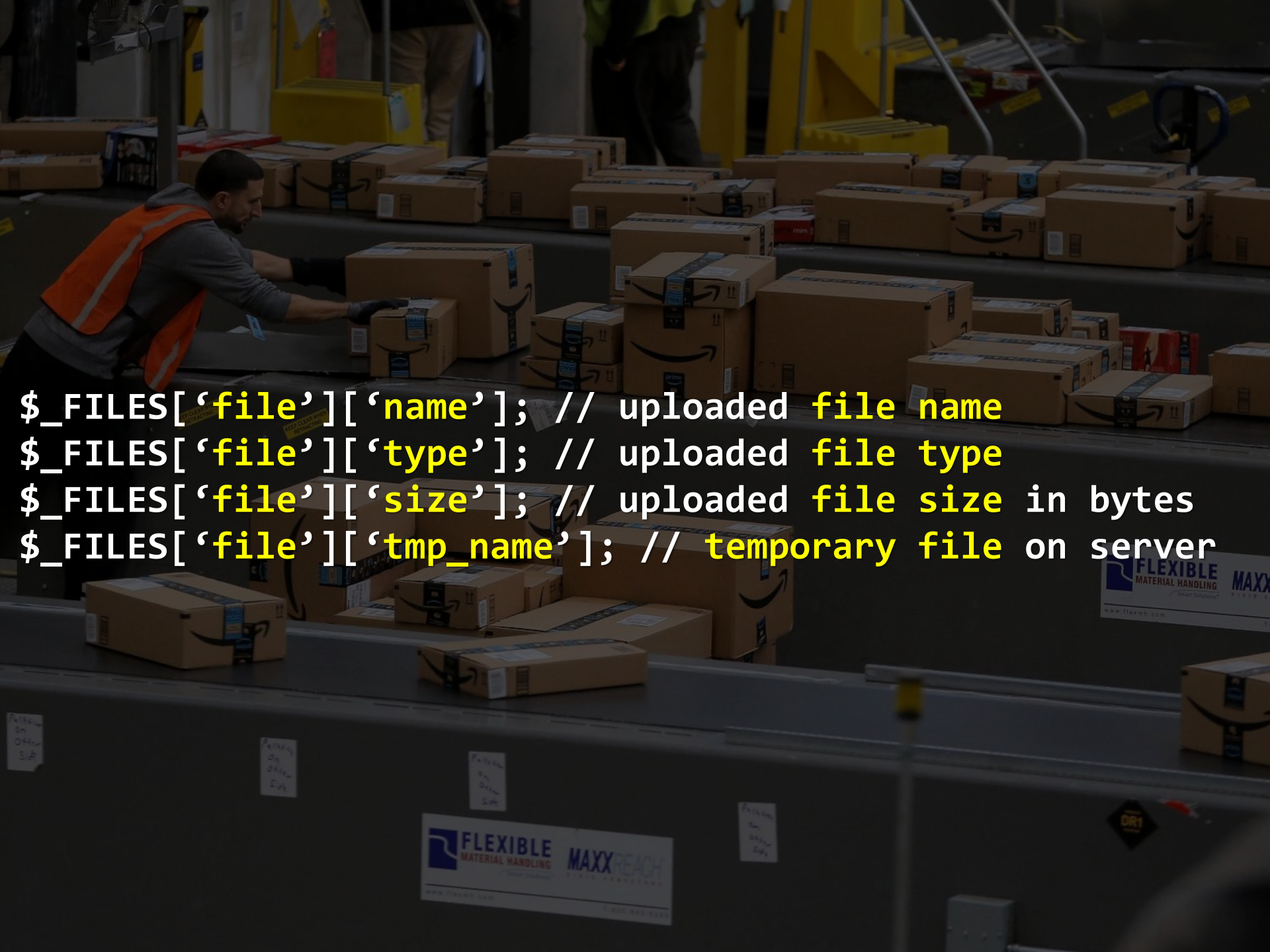
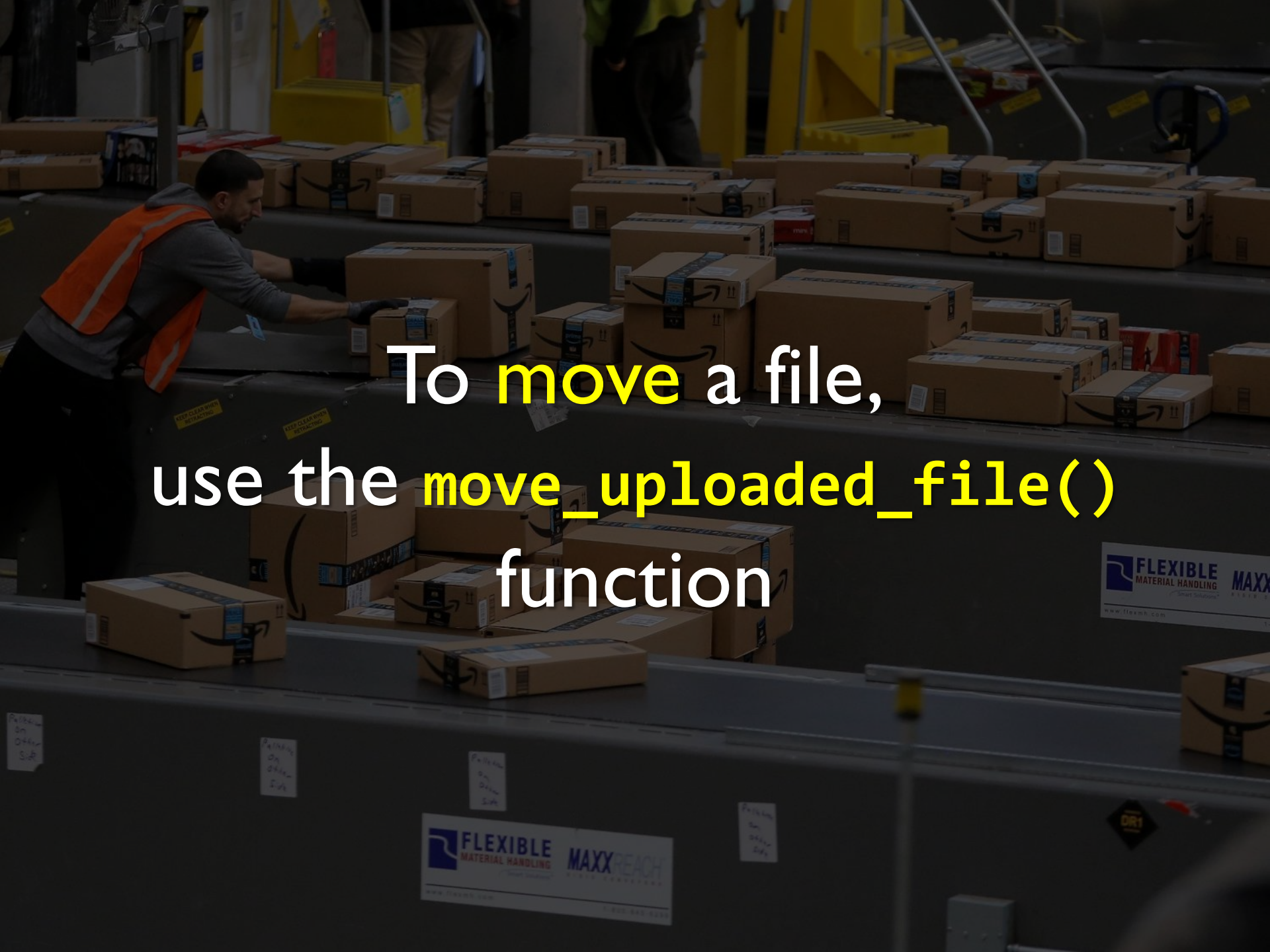
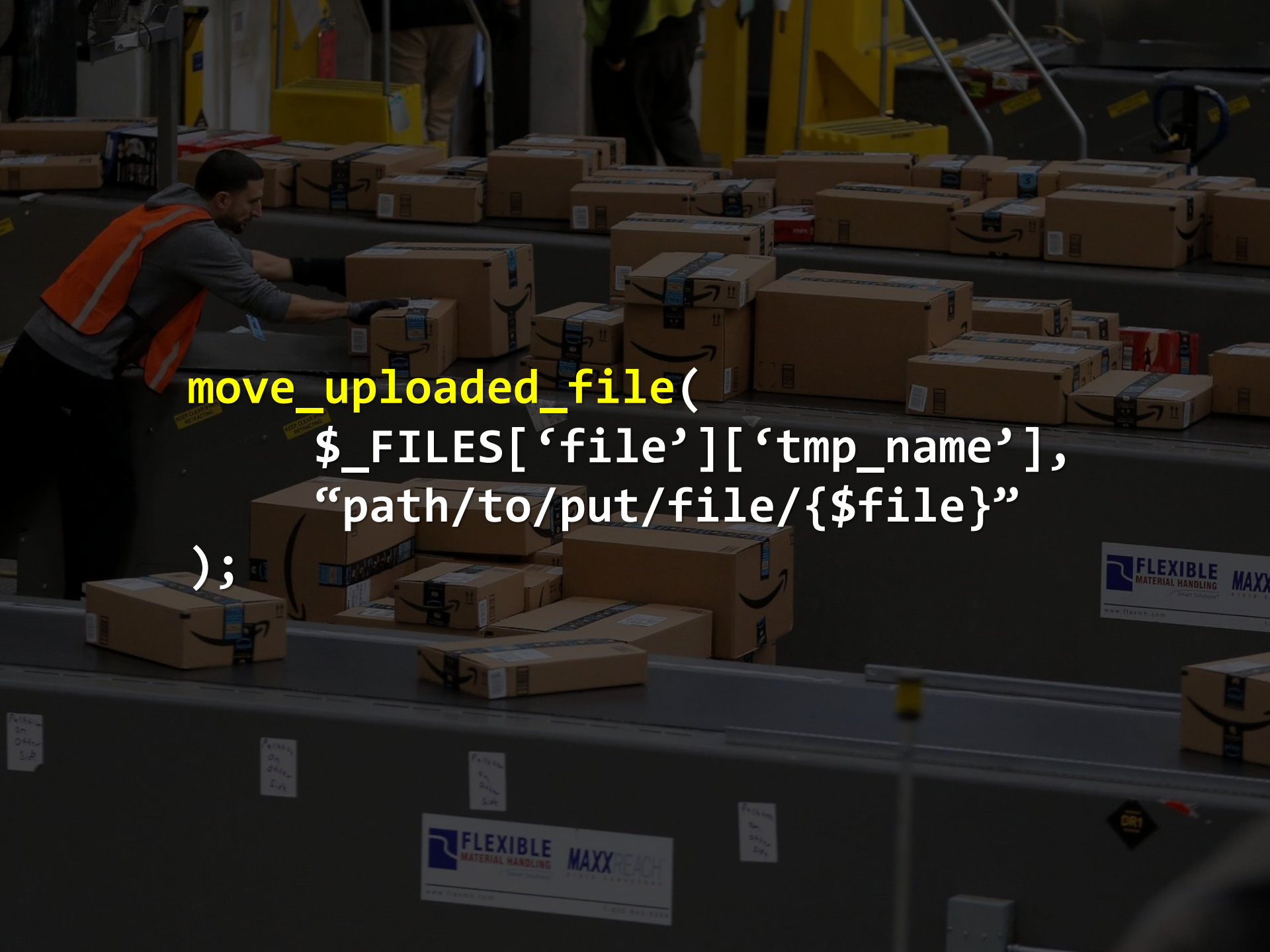

To handle file uploads,
use the $_FILES array




```
<form enctype="multipart/form-data"
 action="upload.php" method="post">
      File name: <input name="file" type="file">
      <input type="submit" value="Upload">
</form>
```


$_FILES['file']['name']; // uploaded file name
$_FILES['file']['type']; // uploaded file type
$_FILES['file']['size']; // uploaded file size in bytes
$_FILES['file']['tmp_name']; // temporary file on server


To move a file,
use the move_uploaded_file()
function



```
move_uploaded_file(
        $_FILES[‘file’][‘tmp_name’],
        “path/to/put/file/{$file}”
);
```

Alhamdulillah.
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