



# Professional Diploma in Commercial Web Design

Lesson 6

PHP

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# Overview

- Sorting an array
- Associative array
- Randomized array
- Counter
- Upload File

# Sorting an array I

- Sort an array into ascending order
- $1 < 2 < 3 < \dots$
- $A < Z < \dots < a < z$
- `sort.php`

# Sorting an array II

- `asort()` – sort the value
- `ksort()` – sort the key
- `rsort()`, `arsort()`, `krsort()` – reverse sorting order
- `sort2.php`

# Classwork 1

- Download sortstudent.php from share
- Sort student name in ascending order without class number (**sort**)
- Display the result by print\_r
- Sort student name in ascending with class number (**asort**)
- Display the result by print\_r

# Classwork2

- Sort student mark (**sort** or **asort** or **ksort**?)
- Display the result by `print_r`
- Display the result by for loop
- Display the name and mark in one line for each student

# Randomized array

- `shuffle()` randomly reorders the elements of an array
- Eg. Large number of products in stock and want randomly select one item to show on a page
- `hk.yahoo.com`
- Copy the images folder to www from share
- `shuffle.php`

# Random

- Randomly give you a number between min to max;
- `rand(min,max);`
- `rand.php`



# Exercise

- Write a mark 6 php program
- Use rand, sort and for loop
- See mark6.php
- Use while to check repeat numbers
- mark6NoRepeat.php



Break

# File

- Read files/directory from the current directory on the server
- `fopen()` – open a file
- `fclose()` – close an opened file
- `fgets()` – read file content
- `fwrite()` – write data to the file
- `w` - 寫入
- `a` - 附加在檔案後面
- `r` - 只有讀取

# Read a file

- `fopen(filename, attribute)`
- `fclose($filePointer)`
- `fgets($filePointer)`
- `fwrite($filePointer, data)`
- `fgets.php, text.txt`
- `fwrite.php, write.txt`

# Counter

- Update hit counter
- `fopen()` – open the file
- `fgets()` – read file data
- `fwrite()` – write data to the file
- `fclose()` – close the opened file
- `hitscounter.php`, `counter.txt`

# Read a remote server content

- `file_get_contents("site");`
- `fgets3.php`

# fgetss

- Gets line from file pointer and strip HTML tags
- fgetss.php

# Upload file

- Upload a file from a web page
- Eg. Attach a file to your email
- Open a new html file
- Create a form with file field
- Save as upload.html



# Upload folder

- Usually we will create a folder to store the upload files in case they upload a “index.html” to hijack our website.
- In www, right click -> New -> Folder -> Create an “upload” folder.

# Upload file php

- Create a php file
- `$tmpfile=$_FILES["fileField"]["tmp_name"];`
- `$uploadfile="upload/".$_FILES["fileField"]["name"];`
- `move_uploaded_file($tmpfile, $uploadfile)`
- Save as upload.php
- If no file uploaded, check LINUX/MAC PERMISSION!

# Check uploaded file

- Check file type (upload\_1.php)
- Check file max size (upload\_2.php)
- Check file min size (upload\_3.php)

# Caution

- Require user authentication, no anonymous uploads
- Do not host uploaded files that have not been verified
- Use caution when opening uploaded files
- Limit maximum upload size
- Limit allowable file formats, file extensions

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# You should

- Relocate temp file to a secure location
- Location should not be occupied by another file
- Use unique names or unique directory names
- Upload folder should not be public

# php.ini

- file\_uploads=true
- upload\_tmp\_dir = "/www/tmp"
- upload\_max\_filesize = "2M"
- max\_file\_uploads=20
- post\_max\_size="8M"

# File path

- basename
- dirname
- pathinfo
- realpath
- path.php



# Homework

- Create a product page layout like products-example.PNG by using these files.
  - products-design.php
  - products-header.inc.php
  - products.css
  - products-array.inc.php



QUESTIONS