# 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<...
- A<Z<...<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

#### Classwork<sub>2</sub>

- 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

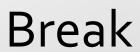
- Copy the images folder to www from share
- shuffle.php

### 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



### 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