

PHP Programming (II)

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http://www2.itu.edu.tr/~sariel/course_notes/dbms2007/p2/slides.pdf
http://www2.itu.edu.tr/~sariel/course_notes/dbms2007/p2/codes/p2_codes.zip

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Content

- Program Control
- Functions
- File Operations

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Operations

- Operators similar to C.
- `$a++`; post-increment
- `++$a`; pre-increment

expression.php

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Comparison Operators

- `$a == $b`
- `$a != $b`
- `$a < $b`
- `$a > $b`
- `$a <= $b`
- `$a >= $b`

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Program Control

- If-else

```
if (expr)
    Statement
elseif (expr)
    Statement
else
    Statement
```
- While

```
while (expr)
    statement
```

whileif.php

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Program Control

- Do-while

```
do statement
while (expr)
```
- break
- Continue
- Switch

```
switch (variable){
    Case <value> statement
    ..
    Default statement}
```

dowhile.php

switch_break.php

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Program Control

- For
for (initialization;condition;increment) statement
- Foreach
foreach(array_expression as \$value) statement
foreach(array_expression as \$key => \$value)
statement
\$key is the index value

for.php

foreach.php

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Functions 1

```
function <FunctionName> ($arg_1, $arg_2, ..., $arg_n) {  
    statements;  
    return $retval;  
}
```

- Call by value
- Call by reference
 - Function can change the parameter's value.

function1.php

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Functions 2

- Default values
- Numerical operations
- Dynamic arguments

function2.php

function3.php

function_dyn.php

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Functions 3

- Variable scope
 - global \$a;
Should be defined in the function
- return or reference is used for returning value.

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Using Multiple Files

- Local files can be included as well as the files on a server.
- include 'file1.php'

multifiles.php

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Opening Files

- fopen(<filepointer>, par.)
 - r: read only
 - w+: read and write
 - w: write only (deletes the existing file)
 - a: append
 - a+: read and write (if the file exists, append)

file_open.php

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Reading Files

- `fgets(<filepointer>,<maxlength>)`
- `fread(<filepointer>,<maxlength>)`
- `fgetc(<filepointer>)`

`file_read.php`

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Functions for File Operations

- `file_exists (<filename>)`
- `is_file (<filename>)`
- `is_readable (<filename>)`
- `is_writable (<filename>)`
- `is_executable (<filename>)`
- `filesize ()`

`file_size.php`

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File Operations

- Write
 - `fwrite(<filepointer>,<text>)`
 - `fputs(<filepointer>,<text>)`
- Point
 - `fseek(<filepointer>,<position>)`
- Lock
 - `flock (<filepointer> , parameter)`
 - 1: share file
 - 2: for only one process
 - 3: unlocks all

`file_write.php`

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