

PHP

#2

Loops

- **while () {}**
- **for (\$i=0; \$i < 5; \$i++) {}**
- **do {} while ()**
- **foreach (\$variable as \$key => \$value) {}**

while loop

- **while (condition) {code}**
- **While the condition holds true, then the code is executed.**
- **The code is run after the condition is check and is true.**
- **The code can also never be executed.**

for loop

- **for (set_initial; condition; increment) {code}**
- **set_initial:** A variable is declared and assigned a starting value.
- **condition:** A condition that is checked if true then the code is executed.
- **increment:** Where the variable is changed so that the condition becomes false in a number of cycles.
- **code:** Commands or functions executed if condition is true

do while loop

- do {code} while (condition)
- Unlike the while loop, the code is executed before the condition is checked, meaning the code will at least execute once.

foreach loop

- **foreach (\$variable as \$key => \$value) {code}**
- **Usually used with cycling through an array.**
- **\$variable:** the array name.
- **\$key:** the name of the item in an array.
- **\$value:** the content of the name in the array.

Array

- An array is a convenient way to store many of the same content together.
- It can also be viewed as a list or dictionary.
- `$array_name = array($key => $value, $key1 => $value1, ...);`
- `$array_name` is the name of the array used when referring to it.
- `array()`: the function called to form an array type.



PHP is FUN!