

## PHP Review [Useful Functions]

- htmlspecialchars(\$string)
  - Convert special characters to HTML entities
- isset(\$var)
  - Determine if \$var is set and is not NULL
- mail(string \$to, string \$subj, string \$msg)
  - Sends an email to the specified address
- Official API: [php.net/manual/en/](http://php.net/manual/en/)

## Regular Expressions

- What is a Regular Expression?
  - Regular expressions are patterns used to match character combinations in strings
  - Eg. `^[A-z0-9]+$` → Matches any string of alphanumeric characters
- preg\_match(\$pattern, \$str)
  - Determines whether \$str matches \$pattern
- preg\_replace(\$pattern, \$replace, \$str)
  - Replaces all instances of \$pattern in \$str with \$replace
- <http://regexpal.com/>    <http://rubular.com/>

## User Defined Functions

- Can define our own methods for custom functionality

```
<?php
/*function declaration*/
function printHello($name){
    print("Hello " . $name);
}
//function calling
printHello("John");
?>
```

- Functions can also return values

- ```
<?php
/* Function declaration*/
function findSum($num1,$num2)
{
    $sum=$num1+$num2;
    return $sum;
}
```

```
/* Function calling*/
$n=findSum(10,5);
print($n);
?>
```