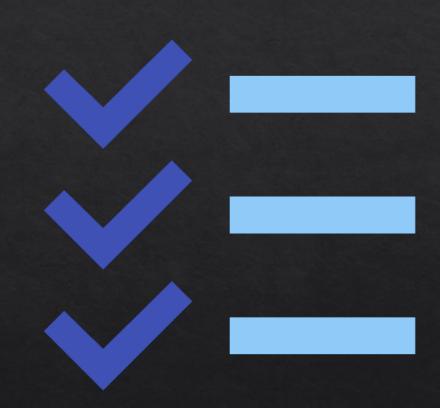
Introduktion till PHP

... och byggandet av en simpel gästbok

Dagens agenda – pass 1

- ♦ Introduktion till PHP
 - ♦ Hur använder vi PHP?
 - ♦ Variabler
 - ♦ Loopar & iterationer
 - ♦ Funktioner
 - ♦ Namespace
 - ♦ Klasser
 - ♦ Exempel!
- ♦ Kursens github-repo
- Vi bygger en gästbok
- ♦ Del 2 Johan: Composer och DM



Learn PHP

Learn the fundamentals of PHP, one of the most popular languages of modern web development.

START

Overview

Syllabus

Why Learn PHP?

PHP is a widely used server-side programming language that's become increasingly fast and powerful over the years. PHP works well with HTML and databases, making it a great language for anyone interested in building dynamic web applications.

Take-Away Skills

In this course, you'll be exposed to fundamental programming concepts in PHP.

Join

45,000,000+

Codecademy learners

Time to Complete

3 Hours

Prerequisites

Användning av PHP (1)

```
1 <?php
2
3 echo "This is an awesome script!";
4</pre>
```



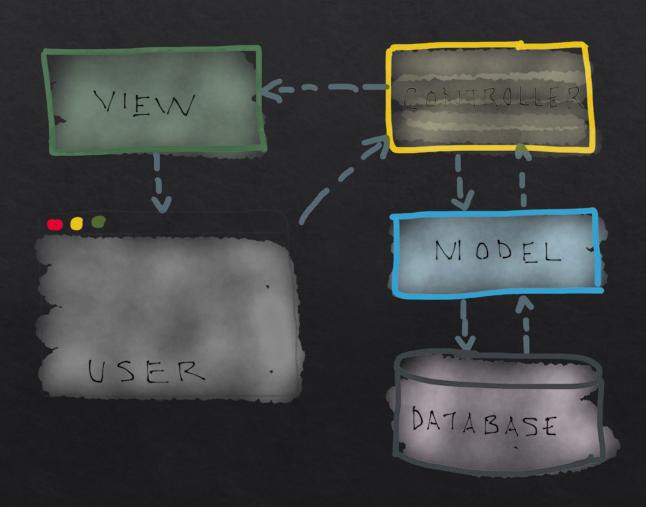
```
php index.php
This is an awesome script!
```

Användning av PHP (2)

Welcome to my awesome site!

```
<!doctype html>
<html>
                                                      <!doctype html>
<head>
                                                      <html>
    <title>Example document</title>
                                                         <title>Example document</title>
</head>
                                                      </head>
<body>
                                                      <body>
                                                         Welcome to my awesome site!
                                                      </body>
         echo "Welcome to my awesome site!";
                                                      </html>
</body>
</html>
                           ① localhost:4000
```

Användning av PHP (3)



Användning av PHP (3 forts.)

```
<h1>Movies</h1>
<hr>>
Id
     Title
     Genre
     Length
     IMDB
  foreach($movies as $movie){
     echo "";
     echo "".$movie['id']."";
     echo "".$movie['title']."";
     echo "".$movie['genre']."";
     echo "".$movie['length']."";
     echo "<a href='".$movie['imdb']."'>IMDB</a>";
    echo "";
```

Över till hur man skriver PHP!

Variabler och utskrifter

- Variabler behöver inte deklareras innan de tilldelas värde
- ♦ PHP är ett otypat språk datatyp behöver inte anges
- ♦ Variabelnamn ska börja \$, följt av en bokstav, eller "_" (underscore)
- Variabelnamn får bara innehålla bokstäver, siffror eller "_" (underscore)
- ♦ Man använder "camelCase" vid namngivning av variabler

```
1 <?php
2
3 $name = "Anton";
4 $age = 27;
5
6 echo $name." is ".$age." years old";
7 // or
8 echo "$name is $age years old";
9</pre>
```

Kommentarer

```
1 <?php
2
3 // One line comment
4
5 /*
6 Multiple line comment
7 */
8</pre>
```

if, elseif, else

switch

```
switch ($expr) {
       case 0:
           echo 'First case';
     case 1:
           echo 'Second case';
     case 3:
           echo 'Third case';
      default:
       echo 'Default case';
12 }
```

for-loop

foreach

while

```
1 <?php
2
3 while ($expr) {
4     // structure body
5 }
6
7</pre>
```

do while

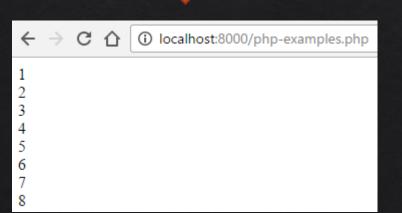
```
1 <?php
2
3 do {
4    // structure body;
5 } while ($expr);
6
7</pre>
```

try catch

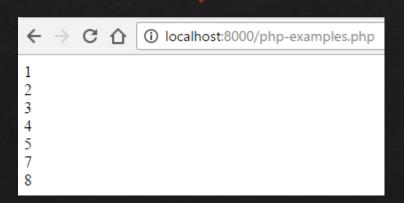
Arrayer



Arrayer

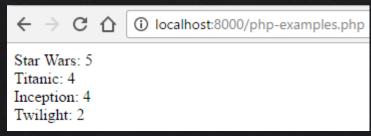


Arrayer



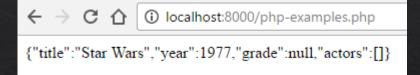
Arrayer med nycklar





class Movie { private \$year; private \$grade; public function __construct(\$title, \$year) \$this->year = \$year; \$this->grade = null; \$this->actors = []; public function getJSON() return json_encode(["title" => \$this->title, "year" => \$this->year, "grade" => \$this->grade, "actors" => \$this->actors \$movie = new Movie("Star Wars", 1977); echo \$movie->getJSON();

Klasser



Namespace

- ♦ Vid mycket kod vill vi se till att vår kod inte kolliderar!
 - ♦ Vad händer om vi har två klasser som heter samma sak?
- ♦ Vi vill kunna bygga fristående komponenter, som fungerar med andra komponenter!
 - ♦ Så att vi kan återanvända (och använda andras) komponenter i olika projekt.



```
movie.php
namespace App;
class Movie {
   private $year;
   private $grade;
   public function __construct($title, $year)
        $this->year = $year;
        $this->grade = null;
        $this->actors = [];
   public function getJSON()
        return json_encode([
            "title" => $this->title,
            "year" => $this->year,
           "grade" => $this->grade,
            "actors" => $this->actors
```



```
movie.php
namespace App;
class Movie {
    private $title;
   private $year;
   private $grade;
    private $actors;
    public function __construct($title, $year)
       $this->year = $year;
       $this->grade = null;
       $this->actors = [];
    public function getJSON()
       return json_encode([
            "year" => $this->year,
            "grade" => $this->grade,
            "actors" => $this->actors
```

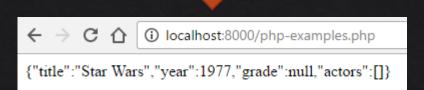
```
movie.php

index.php

require("movie.php"); // <= Jobbigt!

use App\Movie;

smovie = new Movie("Star Wars", 1977);
echo $movie->getJSON();
```



```
movie.php

index.php

require("movie.php"); // <= Jobbigt!

use App\Movie;

smovie = new Movie("Star Wars", 1977);
echo $movie->getJSON();
```

```
1  <?php
2
3  require("movie.php"); // <= Jobbigt!
4
5  use App\Movie as M;
6
7  $movie = new M("Star Wars", 1977);
8  echo $movie->getJSON();
9
```

PHP – Style guidelines

http://www.php-fig.org/

Hantera formulärsdata

Hantera data från GET-anrop

♦ Men HTTP-anrop (GET) kan man skickar med parametrar, t.ex.

♦ index.php?course=DA287A



```
movie.php index.php

1 <?php
2
3 $course = $_GET['course'];
4 echo $course; // Prints "DA287A"
5
6
```

Hantera data från GET-anrop

- ♦ Men HTTP-anrop (GET) kan man skickar med parametrar, t.ex.
 - ♦ index.php?course=DA287A&courseResponsible=Anton



```
movie.php

index.php

scourse = $_GET['course'];

scourseResponsible = $_GET['courseResponsible'];

echo $course; // Prints "DA287A"

echo $courseResponsible; // Prints "Anton"

rectangled to the scourse of the scour
```

Hantera data från POST-anrop

♦ Till skillnad från GET (som används för att efterfråga data) så används POST för att skicka med data. Detta görs t.ex. genom ett HTML-formulär:

♦ Och tas sedan emot genom \$_POST-funktionen i PHP.

```
1 <?php
2
3 $course = $_POST['course'];
4 $courseResponsible = $_POST['courseResponsible'];
5 echo $course; // Prints "DA287A"
6 echo $courseResponsible; // Prints "Anton"
7
8</pre>
```

Vi bygger en gästbok!

Kursmoment

1. PHP & Composer



3. Testning & deployment













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