

Fyrverkeri!

Forelesning 13, Webprosjekt H2013

Alfred Bratterud

Plan for dagen

- * Oblig 2
- * Plan fremover
- * Grupper!
- * Litt repetisjon av PHP
- * Vi lager fyrverkeri!

Oblig2

Vi ser på teksten og tar spørsmål!

Plan fremover

Plan fremover

- * Neste uke (7.-13. okt):

Plan fremover

- * Neste uke (7.-13. okt):
 - * Universell utforming, v. Morten Tollefsen (MediaLT)

Plan fremover

- * Neste uke (7.-13. okt):
 - * Universell utforming, v. Morten Tollefsen (MediaLT)
 - * Les gjerne boken "Web og Universell Utforming"

Plan fremover

- * Neste uke (7.-13. okt):
 - * Universell utforming, v. Morten Tollefsen (MediaLT)
 - * Les gjerne boken "Web og Universell Utforming"
 - * Tid og sted som vanlig

Plan fremover

- * Neste uke (7.-13.okt):
 - * Universell utforming, v. Morten Tollefsen (MediaLT)
 - * Les gjerne boken “Web og Universell Utforming”
 - * Tid og sted som vanlig
- * Uken etter (14.-20.okt):

Plan fremover

- * Neste uke (7.-13.okt):
 - * Universell utforming, v. Morten Tollefsen (MediaLT)
 - * Les gjerne boken "Web og Universell Utforming"
 - * Tid og sted som vanlig
- * Uken etter (14.-20.okt):
 - * Tema Prosjektarbeid, v. Thor Hasle, i 5 uker

Plan fremover

- * Neste uke (7.-13.okt):
 - * Universell utforming, v. Morten Tollefsen (MediaLT)
 - * Les gjerne boken "Web og Universell Utforming"
 - * Tid og sted som vanlig
- * Uken etter (14.-20.okt):
 - * Tema Prosjektarbeid, v. Thor Hasle, i 5 uker
 - * Deres gruppeprosjekt starter mandag 14.okt.

Plan fremover

- * Neste uke (7.-13.okt):
 - * Universell utforming, v. Morten Tollefsen (MediaLT)
 - * Les gjerne boken “Web og Universell Utforming”
 - * Tid og sted som vanlig
- * Uken etter (14.-20.okt):
 - * Tema Prosjektarbeid, v. Thor Hasle, i 5 uker
 - * Deres gruppeprosjekt starter mandag 14.okt.
 - * Prosjektet har deadline 24.nov. (6 uker)

Gruppearbeid!

- * Gruppene blir satt sammen basert på interesser
- * I hjemmelekse, skriv ned:
 - * Hva slags type nettside du helst vil lage (Spill, avis, blogg ...)
 - * Tre tematiske stikkord (SciFi, Big Bang Theory, Trening, Mat)
 - * Hvilke teknologier vil du vektlegge? HTML/CSS, Javascript, JQuery, Ajax, Php?
 - * Følg med på github!

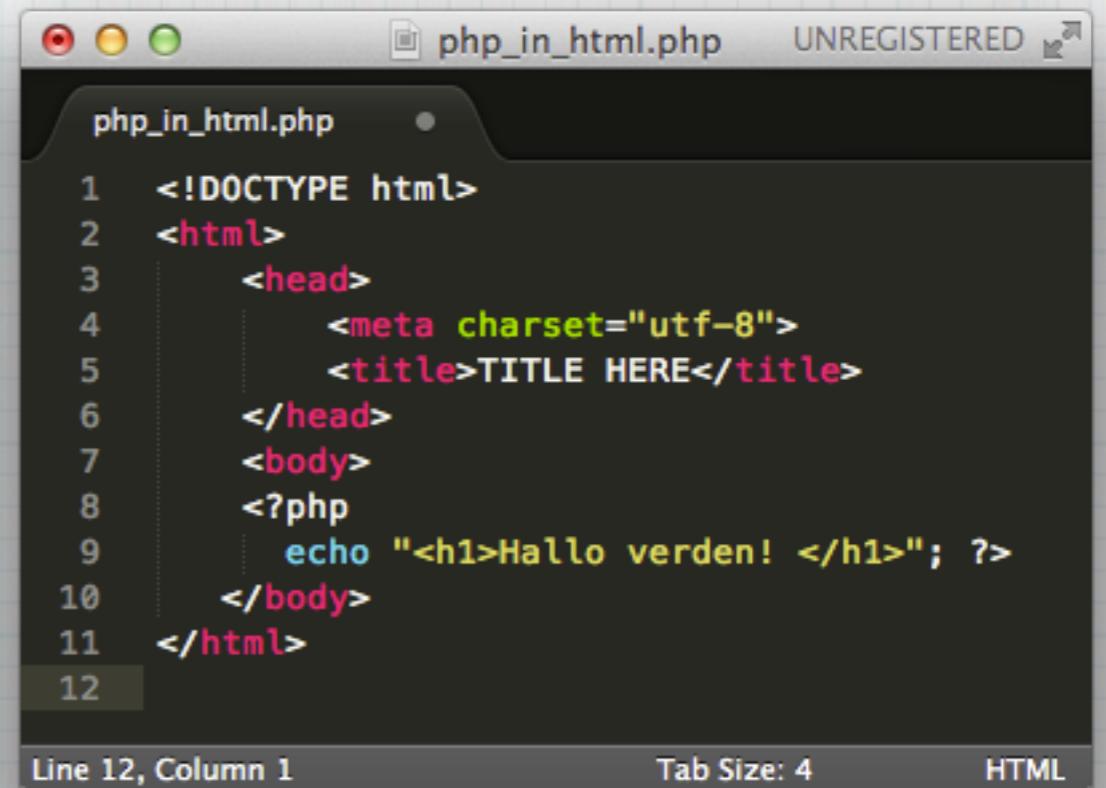
Bli med i forskningsprosjekt!

V. Monika Nerland / Crina Damsa

PHP

“Hallo Verden”

- * PHP er i likhet med JS et “interpretert” “scriptspråk”
- * Kjører på webseveren.
- * Produserer (hvis man vil) HTML
- * Har gjerne lese/skrivetilgang egne steder på server



A screenshot of a code editor window titled "php_in_html.php". The code editor displays the following PHP script:

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>TITLE HERE</title>
6   </head>
7   <body>
8     <?php
9       echo "<h1>Hallo verden! </h1>"; ?>
10    </body>
11  </html>
```

The code editor interface includes a status bar at the bottom with "Line 12, Column 1", "Tab Size: 4", and "HTML".

PHP “Hallo Verden”

- * Man kan enten skrive HTML, med PHP-biter i (Mixed mode)
- * Eller skrive PHP med “echo” eller include av HTML-biter
- * Det viktige er at det er gyldig HTML som blir sendt til browser.
- * Man slipper å kopiere HTML for undersider

The screenshot shows three code editors side-by-side:

- html_head.html:** Contains the following code:

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>PHP 1</title>
6   </head>
7   <body>
```
- php1.php:** Contains the following code:

```
1 <?php
2   include "html_head.html";
3   echo "<h1>Hallo verden!</h1>";
4   include "html_foot.html";
5 ?>
```
- html_foot.html:** Contains the following code:

```
1 </body>
2 </html>
```

The bottom right editor has a tab size of 4.

PHP

“Hallo Verden”

- * Man kan enten skrive HTML, med PHP-biter i (Mixed mode)

- * Eller skrive PHP med “echo” eller include av HTML-biter

- * Det viktigste er at det er gyldig HTML da man sendt til en browser

- * Man slipper å kopiere HTML for undersider

```
html_head.html
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>PHP 1</title>
6   </head>
7   <body>
```

```
php1.php
1 <?php
2   include "html_head.html";
3   echo "<h1> 7298*17=".(7298*17)."</h1>";
4   include "html_foot.html";
5 ?>
```

```
php2.php
1 <?php
2   include "html_head.html";
3   echo "<h1>Hallo verden!</h1>";
4   include "html_foot.html";
5 ?>
```

```
html_foot.html
1 </body>
2 </html>
```

PHP

“Hallo Verden”

Deles!

- * Man kan enten skrive HTML, med PHP-biter i (Mixed mode)

- * Eller skrive PHP med “echo” eller include av HTML-biter

- * Det viktigste er at det er gyldig HTML da man sendt til en browser

- * Man slipper å kopiere HTML for undersider

```
html_head.html
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>PHP 1</title>
6   </head>
7   <body>
```



```
php1.php
1 <?php
2   include "html_head.html";
3   echo "<h1> 7298*17=".(7298*17)."</h1>";
4   include "html_foot.html";
5 ?>
```



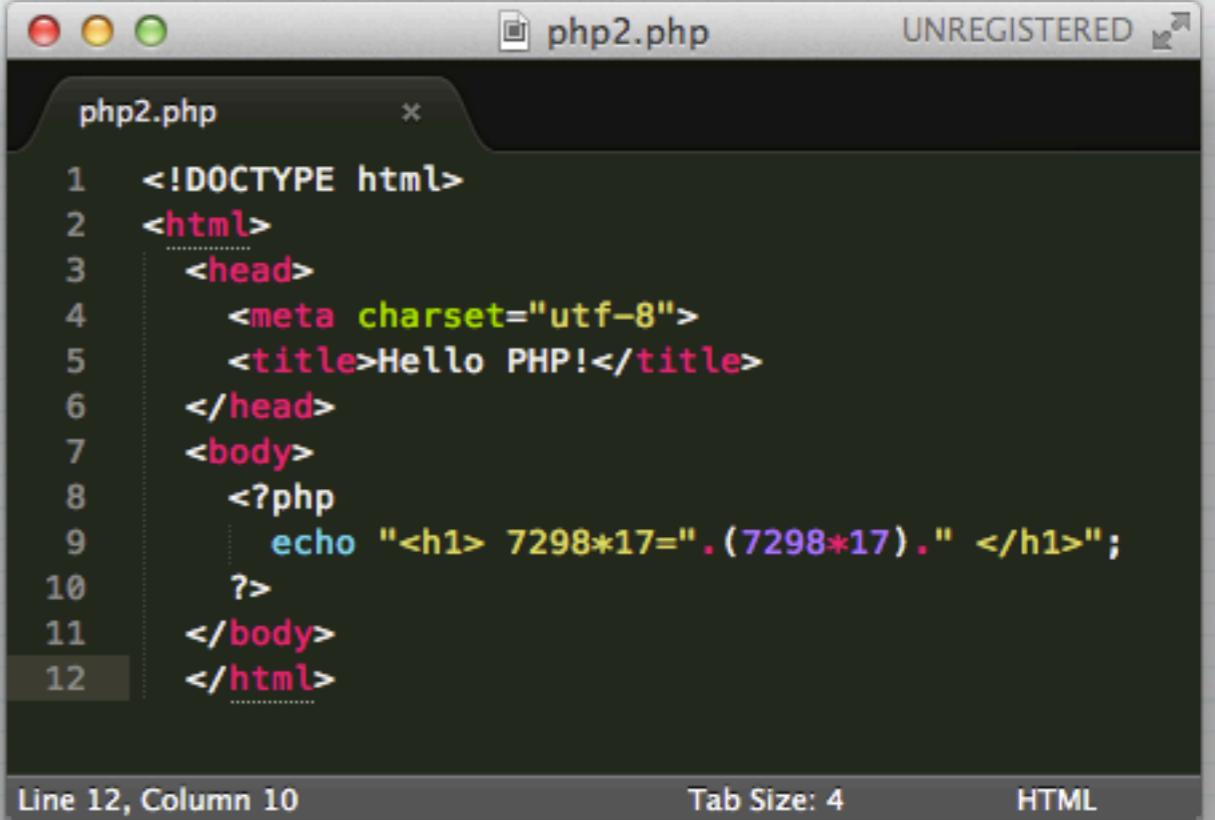
```
php2.php
1 <?php
2   include "html_head.html";
3   echo "<h1>Hallo verden!</h1>";
4   include "html_foot.html";
5 ?>
```



```
html_foot.html
1 </body>
2 </html>
```

“Trigge” PHP

- * <?php ?>
likner HTML. Er det?
- * Hva “Er” PHP?
 - * Et program
 - * Kan kalles via terminal,
eller av webserver
- * Må være installert på
server, sammen med
webserver (Feks. Apache)



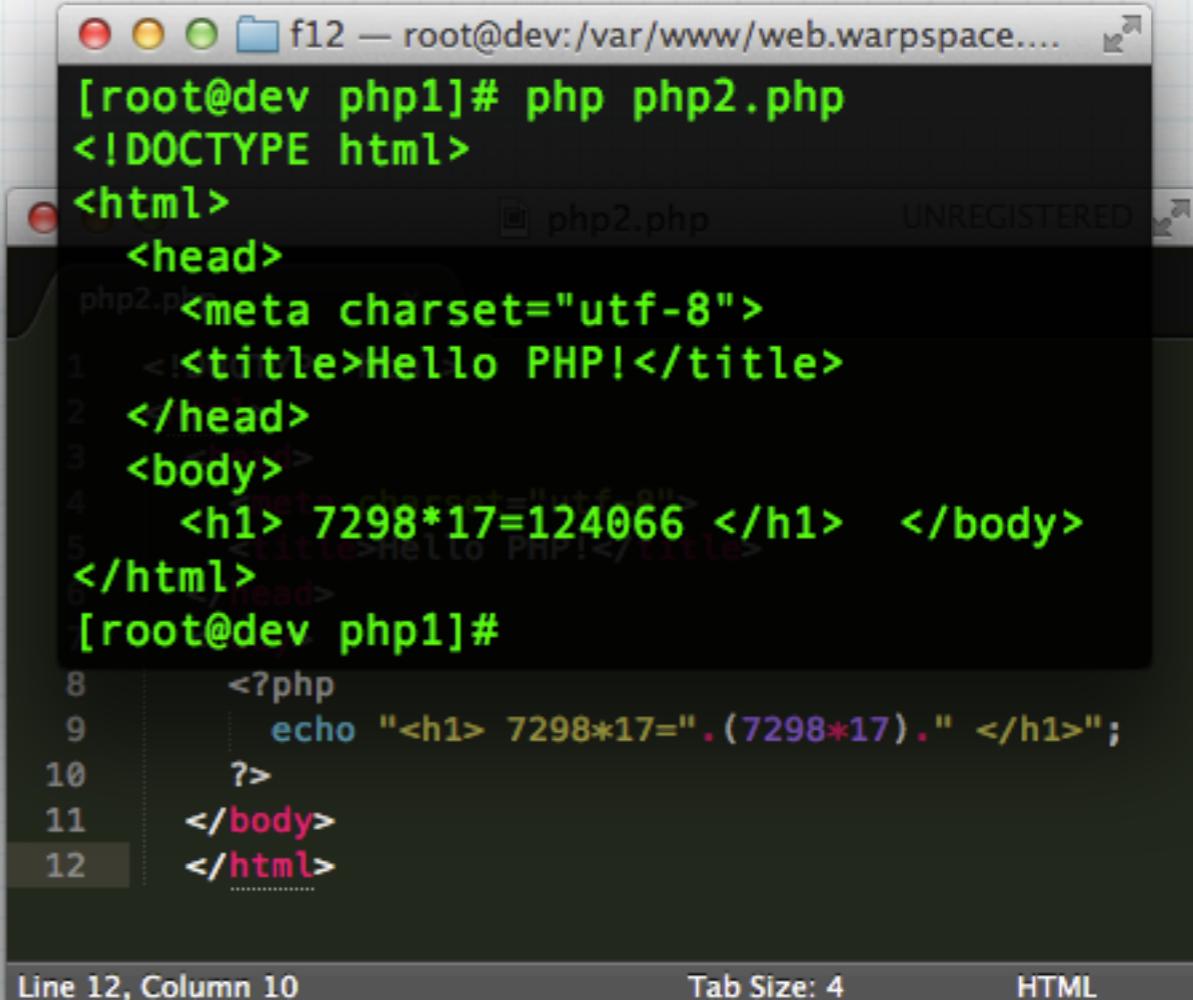
A screenshot of a code editor window titled "php2.php". The code editor has a dark theme with syntax highlighting. The file contains the following PHP code:

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta charset="utf-8">
5          <title>Hello PHP!</title>
6      </head>
7      <body>
8          <?php
9              echo "<h1> 7298*17=". (7298*17). "</h1>";
10         ?>
11     </body>
12 </html>
```

The status bar at the bottom of the editor shows "Line 12, Column 10", "Tab Size: 4", and "HTML".

“Trigge” PHP

- * <?php ?>
likner HTML. Er det?
- * Hva “Er” PHP?
 - * Et program
 - * Kan kalles via terminal,
eller av webserver
- * Må være installert på
server, sammen med
webserver (Feks. Apache)



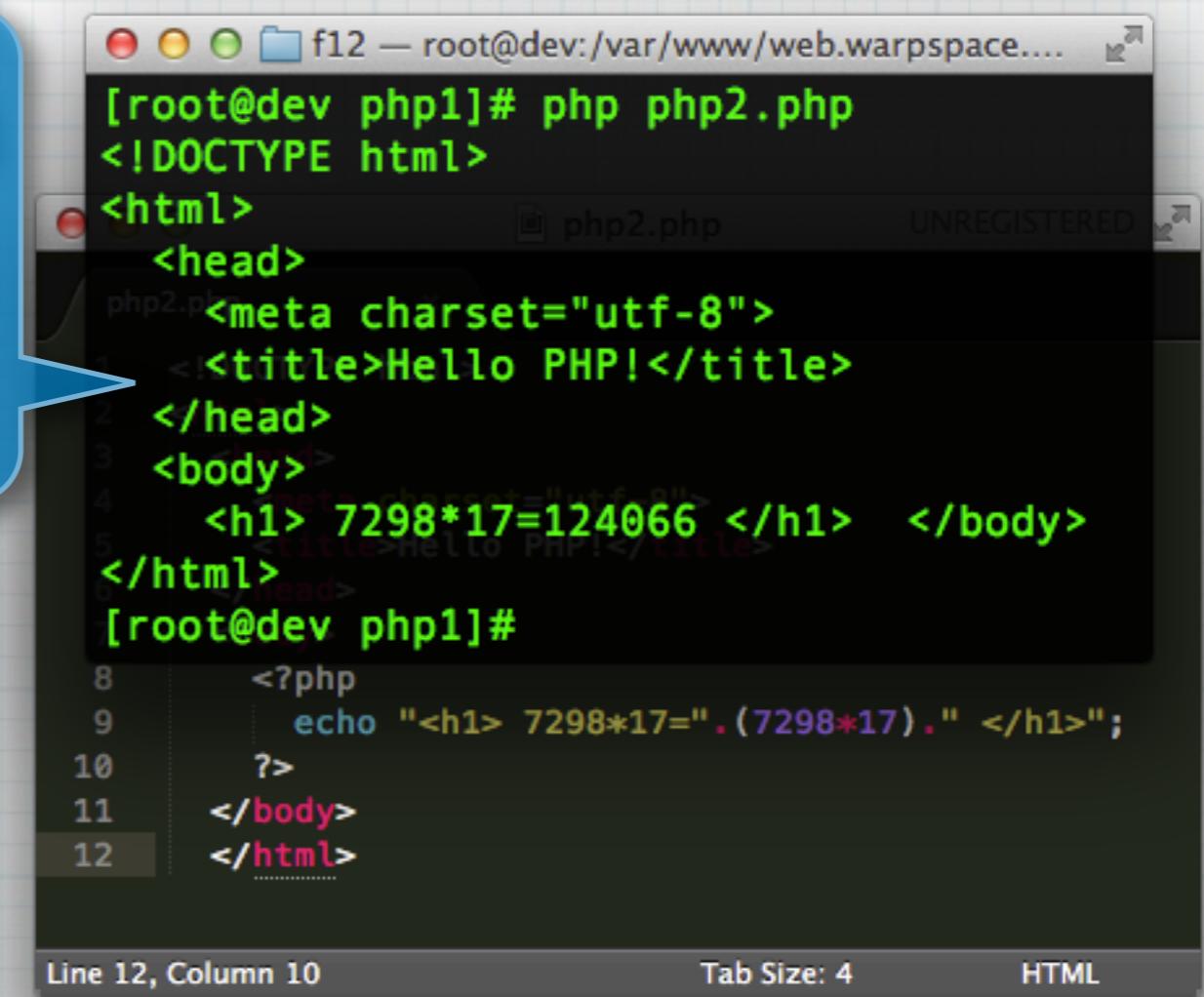
A screenshot of a terminal window titled "f12 — root@dev:/var/www/web.warpspace....". The window displays the following command and its output:

```
[root@dev php1]# php php2.php
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello PHP!</title>
  </head>
  <body>
    <h1> 7298*17=124066 </h1>
  </body>
</html>
[root@dev php1]#
8      <?php
9      echo "<h1> 7298*17=".(7298*17)."</h1>";
10     ?>
11   </body>
12   </html>
```

The terminal shows line numbers 1 through 12. The output of the PHP code is displayed in green, showing the result of the multiplication $7298 \times 17 = 124066$. The status bar at the bottom of the terminal window indicates "Line 12, Column 10", "Tab Size: 4", and "HTML".

“Trigge” PHP

- * <?php ... ?>
likner HTML. Funksjon
PHP spiser fila og genererer HTML
- * Hva “Er” PHP?
- * Et program
- * Kan kalles via terminal, eller av webserver
- * Må være installert på server, sammen med webserver (Feks. Apache)



A screenshot of a terminal window titled "f12 — root@dev:/var/www/web.warpsspace....". The window shows the command "php php2.php" being run, which outputs the following HTML code:

```
[root@dev php1]# php php2.php
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello PHP!</title>
  </head>
  <body>
    <h1> 7298*17=124066 </h1>
  </body>
</html>
[root@dev php1]#
8   <?php
9     echo "<h1> 7298*17=".(7298*17)."</h1>";
10    ?>
11  </body>
12  </html>
```

The terminal also displays the file path "php2.php" and status "UNREGISTERED". At the bottom, it shows "Line 12, Column 10", "Tab Size: 4", and "HTML".

“Trigge” PHP

- * <?php ... ?> likner HTML. Funksjon
- * PHP spiser fila og genererer HTML
- * Hva “Er” PHP?
- * Et program
- * Kan kalles via terminal, eller av webserver
- * Må være installert på server, sammen med webserver (Feks. Apache)

The image shows a terminal window titled 'f12 — root@dev:/var/www/web.warpspace....' containing the following command and output:

```
[root@dev php1]# php php2.php
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello PHP!</title>
  </head>
  <body>
    <h1> 7298*17=124066 </h1>
  </body>
</html>
[root@dev php1]#
```

Below the terminal is a browser window titled 'Hello PHP!' with the URL 'web.warpspace.org/php1/'. The page displays the calculated result:

7298*17=124066

“Trigge” PHP

- * <?php ... ?> likner HTML. Først til PHP spiser fila og genererer HTML
- * Hva “Er” PHP?
- * Et program
- * Apache sender HTML over HTTP til browser
- * Må være installert på server, sammen med webserver (Apache)

The screenshot shows a terminal window titled "f12 — root@dev:/var/www/web.warpspace...." and a web browser window.

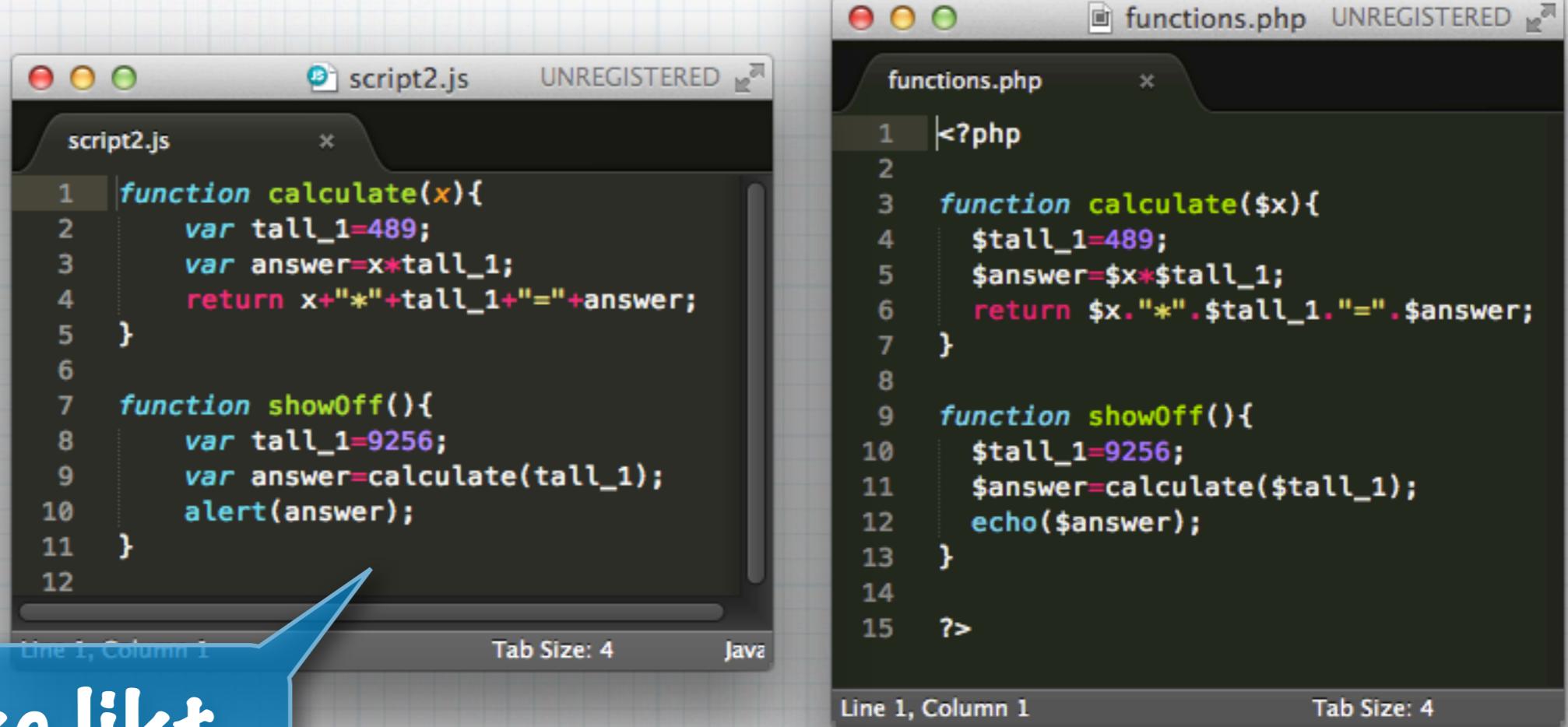
Terminal:

```
[root@dev php1]# php php2.php
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello PHP!</title>
  </head>
  <body>
    <h1> 7298*17=124066 </h1>
  </body>
</html>
[root@dev php1]#
```

Browser:

The browser window title is "Hello PHP!" and the URL is "web.warpspace.org/php1/". The page content displays the calculation **7298*17=124066**.

PHP-basics: Funksjoner



```
script2.js      functions.php
```

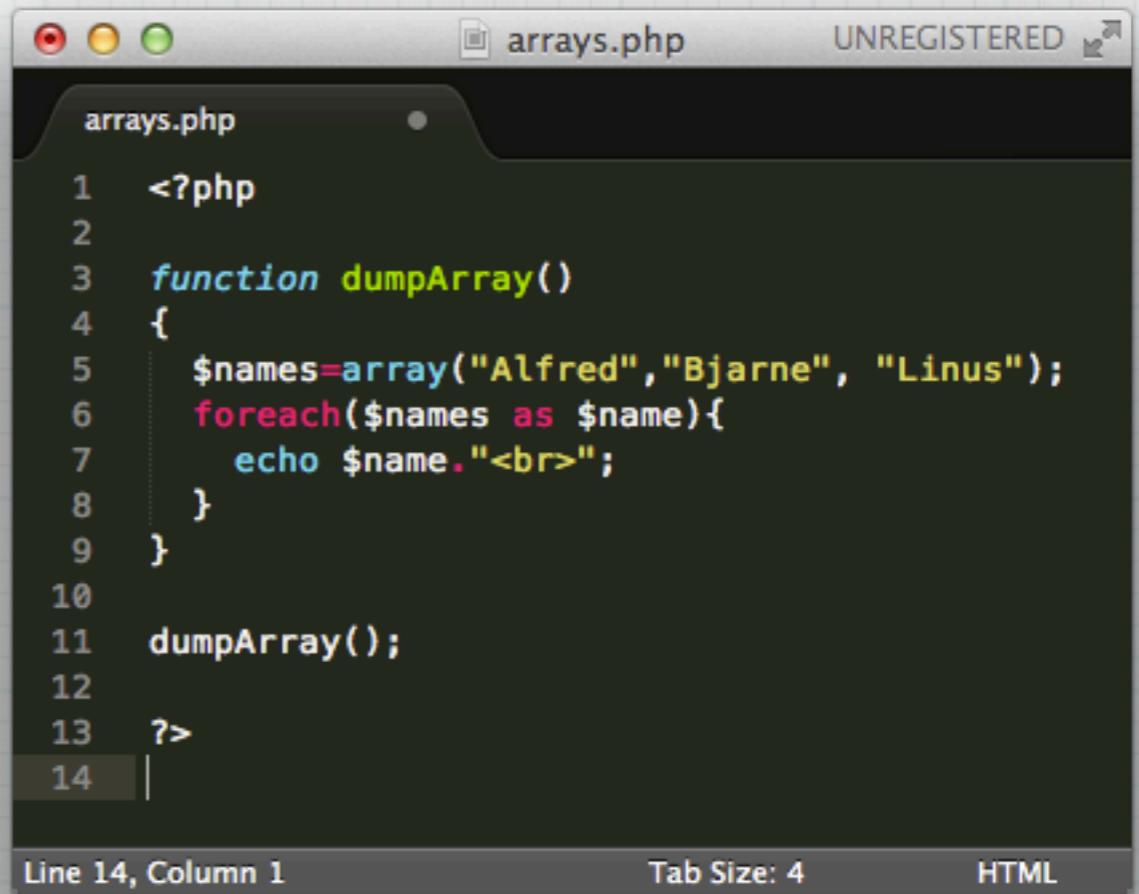
```
script2.js
1 function calculate(x){
2     var tall_1=489;
3     var answer=x*tall_1;
4     return x+"*"+tall_1+"=".answer;
5 }
6
7 function showOff(){
8     var tall_1=9256;
9     var answer=calculate(tall_1);
10    alert(answer);
11 }
12
```

```
functions.php
1 <?php
2
3 function calculate($x){
4     $tall_1=489;
5     $answer=$x*$tall_1;
6     return $x."*".$tall_1."=".$answer;
7 }
8
9 function showOff(){
10    $tall_1=9256;
11    $answer=calculate($tall_1);
12    echo($answer);
13 }
14
15 ?>
```

Ganske likt
javascript!
(Så langt...)

PHP Basics: Datastrukturer - Array

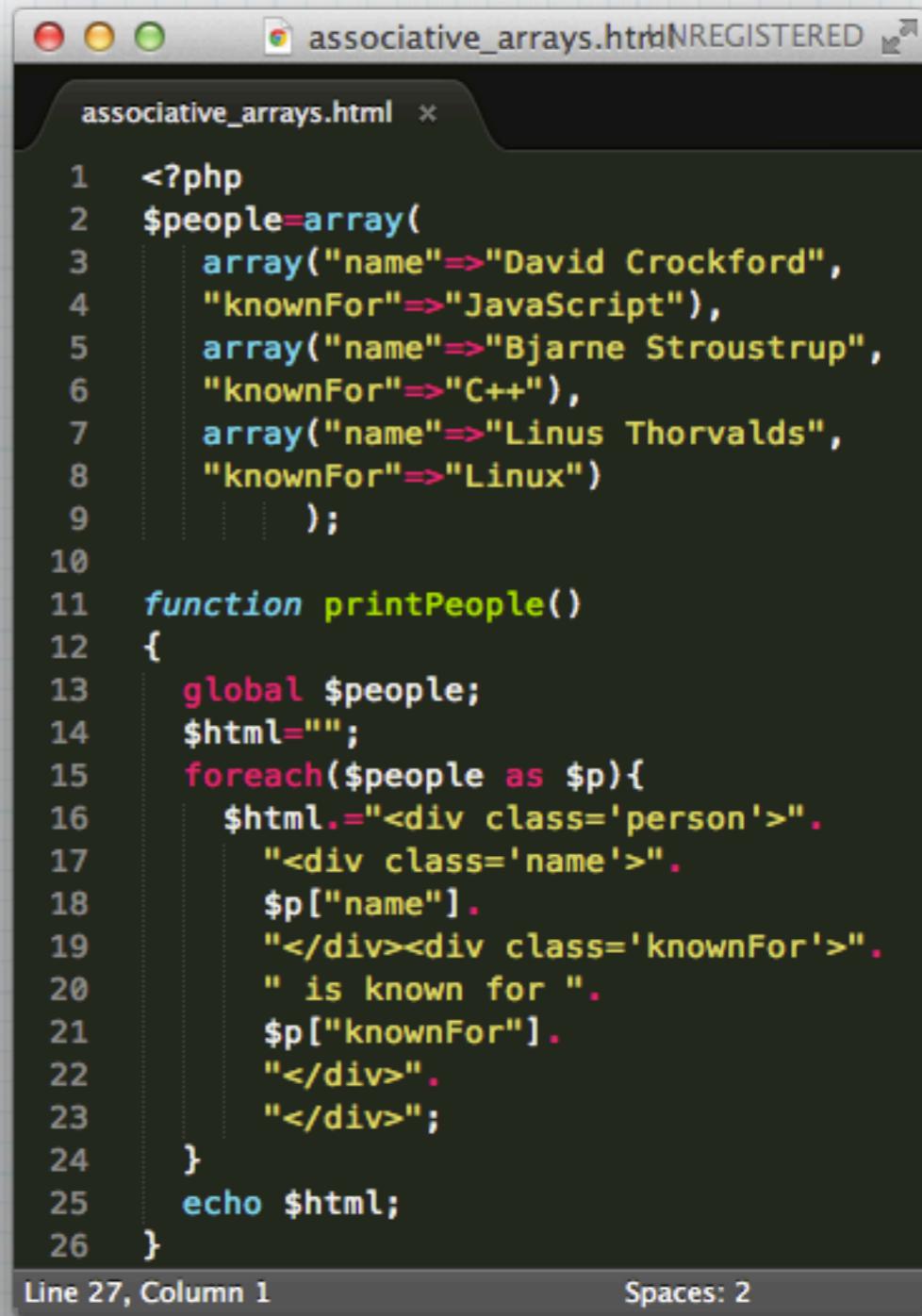
- * Et array er en indeksert liste av objekter (eller typer)
- * Initialiseres slik:
`$arr=array("a", "b", 1, 2);`
- * Itereres med vanlig løkke eller "foreach(\$arr as \$a)"
- * Aksesseres med "indeksoperator", arr[2]



```
<?php
function dumpArray()
{
    $names=array("Alfred", "Bjarne", "Linus");
    foreach($names as $name){
        echo $name."<br>";
    }
}
dumpArray();
?>
```

PHP Basics: Associative arrays

- * Et assosiativt array er en ordnet liste av navngitte objekter. Som objekter i JS.
- * Initialiseres slik:
`obj=array("a"=>1,
"b"=>array(1,2), "c"=>"d");`
- * Itereres med vanlig løkke eller "foreach"
- * Aksesseres med "indeksoperator", `obj["b"]`
- * Kompatibelt med JSON!

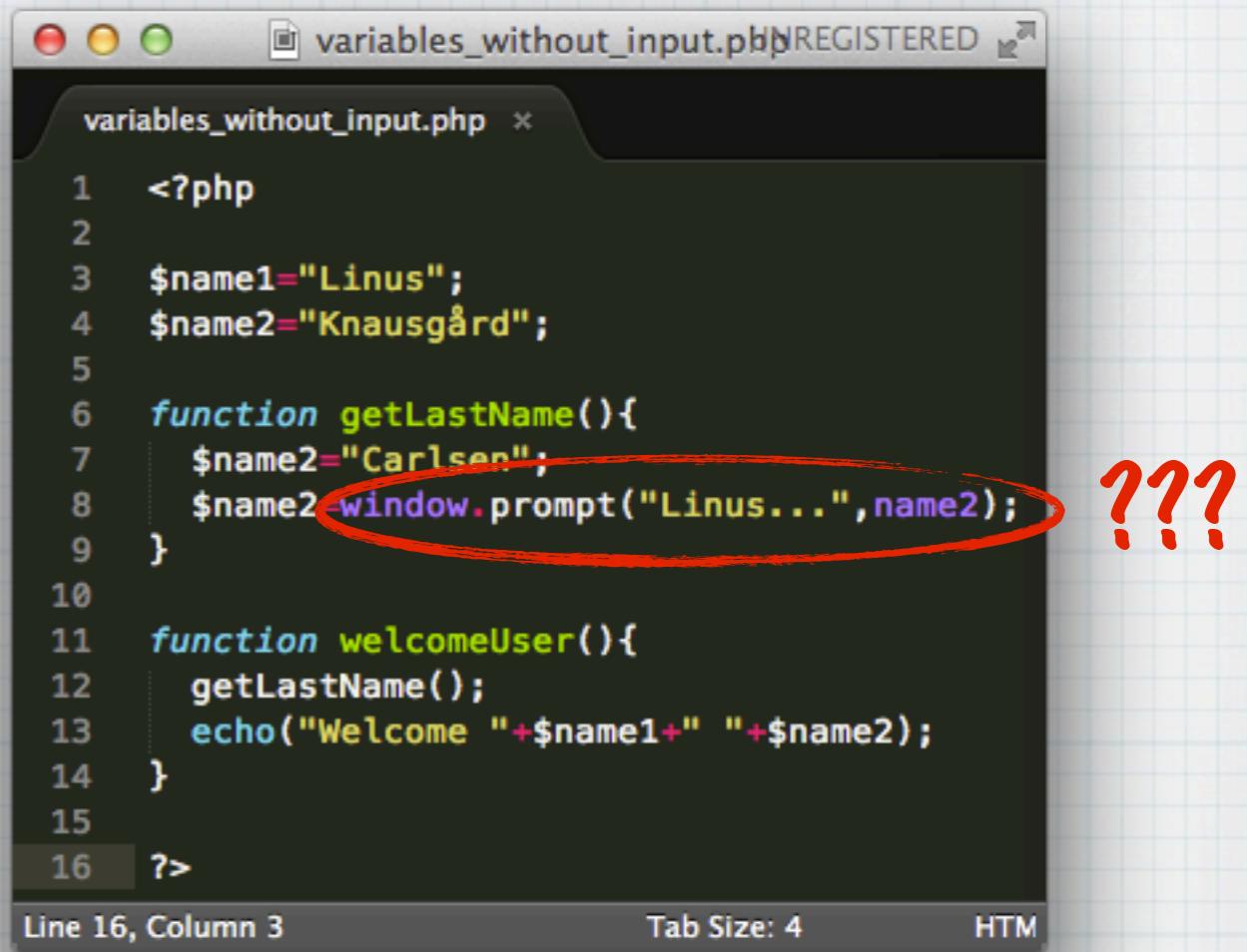


The screenshot shows a code editor window titled "associative_arrays.html". The code is a PHP script that defines an associative array \$people containing three entries, each with a name and an array of knownFor values. It then defines a printPeople() function that iterates over the array and prints each person's name and their knownFor values. The code is syntax-highlighted, with PHP tags in blue, variables in green, and strings in yellow. The code editor interface includes a toolbar at the top and status bars at the bottom indicating the current line and column (Line 27, Column 1) and the number of spaces used (Spaces: 2).

```
<?php  
$people=array(  
    array("name"=>"David Crockford",  
          "knownFor"=>"JavaScript"),  
    array("name"=>"Bjarne Stroustrup",  
          "knownFor"=>"C++"),  
    array("name"=>"Linus Thorvalds",  
          "knownFor"=>"Linux")  
);  
  
function printPeople()  
{  
    global $people;  
    $html="";  
    foreach($people as $p){  
        $html.= "<div class='person'>".  
               "<div class='name'>".  
               $p["name"].  
               "</div><div class='knownFor'>".  
               " is known for ".  
               $p["knownFor"].  
               "</div>".  
               "</div>";  
    }  
    echo $html;  
}
```

PHP Basics: Variabler

- * Hva er en variabel?
- * Data lagret i minnet, med et navn
- * Finnes i ulike typer; tall, tekststrenger ++
- * Kan endres - men har et "skop".



The screenshot shows a code editor window titled "variables_without_input.php UNREGISTERED". The code is as follows:

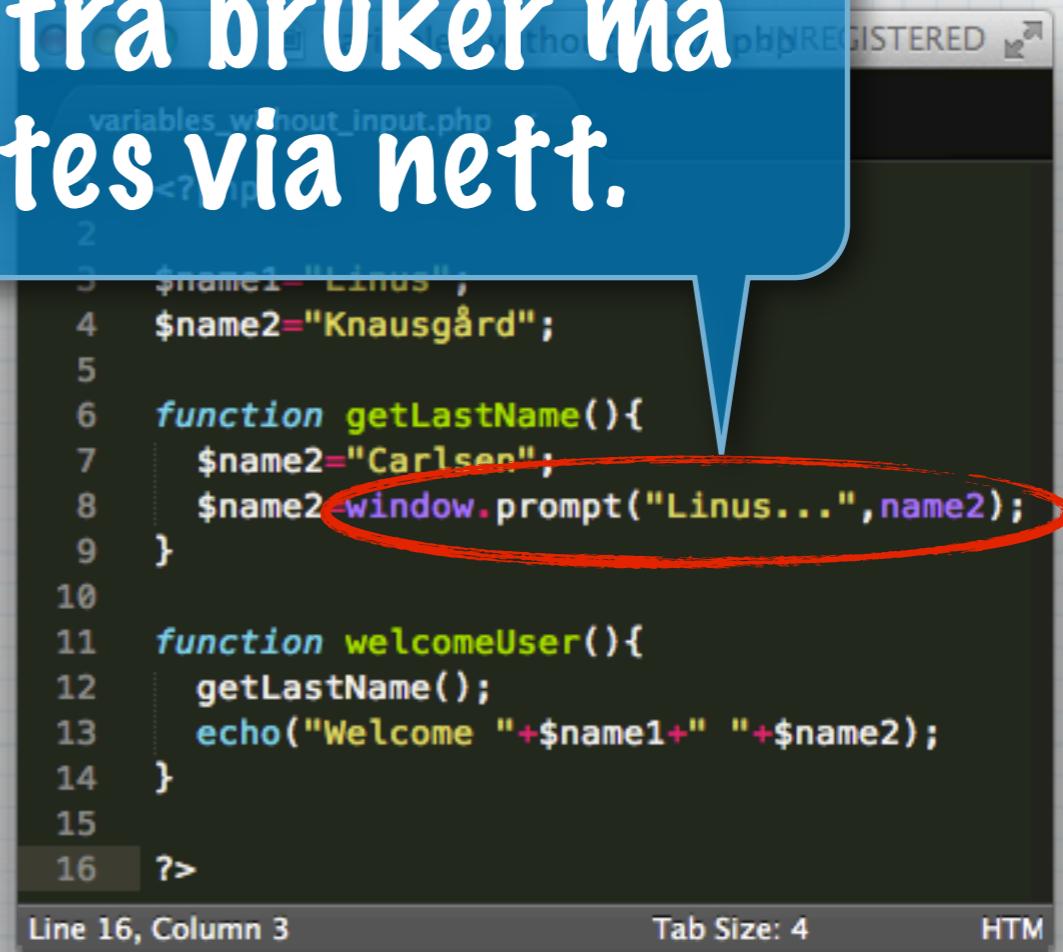
```
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7     $name2="Carlsen";
8     $name2=window.prompt("Linus...",name2);
9 }
10
11 function welcomeUser(){
12     getLastName();
13     echo("Welcome "+$name1+" "+$name2);
14 }
15
16 ?>
```

A red oval highlights the line of code: `$name2=window.prompt("Linus...",name2);`. To the right of the oval is a large red question mark (???) indicating a potential issue or security concern.

PHP Basics: Variabler

- * Hva er en variabel?
- * Data lagret i minnet, med et navn
- * Finnes i ulike typer; tall, tekststrenger ++
- * Kan endres - men har et "skop".

PHP Kjører på server.
Input fra bruker må hentes via nett.



The screenshot shows a code editor with a dark theme. A red oval highlights the line of code where a user input is being read from a prompt. The code is as follows:

```
variables_without_input.php
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7     $name2="Carlsen";
8     $name2=window.prompt("Linus...",name2);
9 }
10
11 function welcomeUser(){
12     getLastName();
13     echo("Welcome "+$name1+" "+$name2);
14 }
15
16 ?>
```

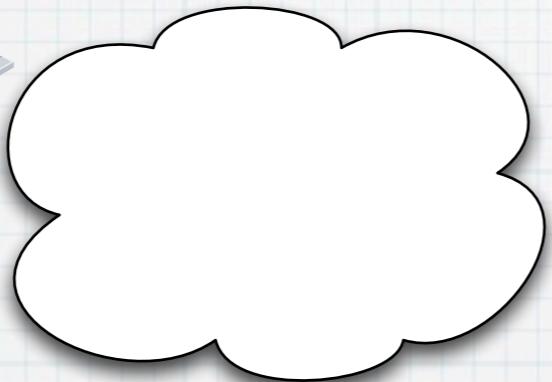
Line 16, Column 3 Tab Size: 4 HTM

???

PHP Basics: Variabler

- * Hva er en variabel?
 - * Data lagret i minnet, med et navn
 - * Finnes i ulike typer; tall, tekst, objekter
 - * Kan endres - men har et "skop".
- PHP Kjører på server.
Input fra bruker må hentes via nett.
- Betyr det at PHP må koble seg til vår PC?
-
- ```
variables_without_input.php
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7 $name2="Carlsen";
8 $name2>window.prompt("Linus...",name2);
9 }
10
11 function welcomeUser(){
12 getLastName();
13 echo("Welcome "+$name1+" "+$name2);
14 }
15
16 ?>
```
- Line 16, Column 3
- Tab Size: 4
- HTM

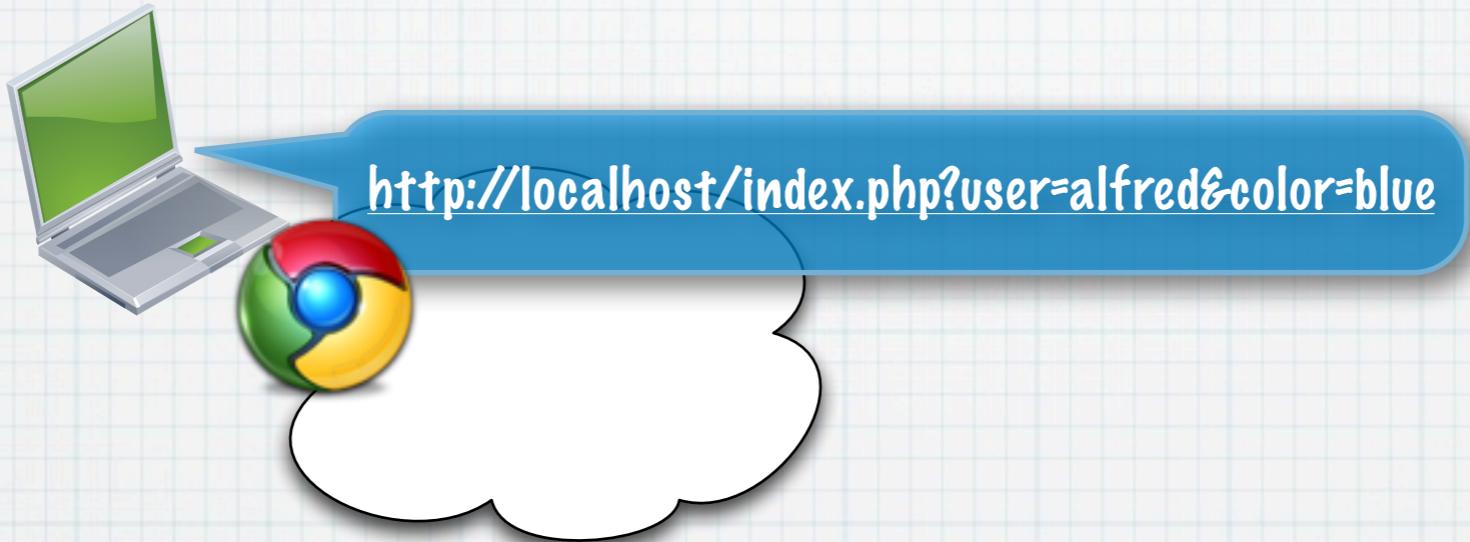
# Input til PHP: HTTP request-string



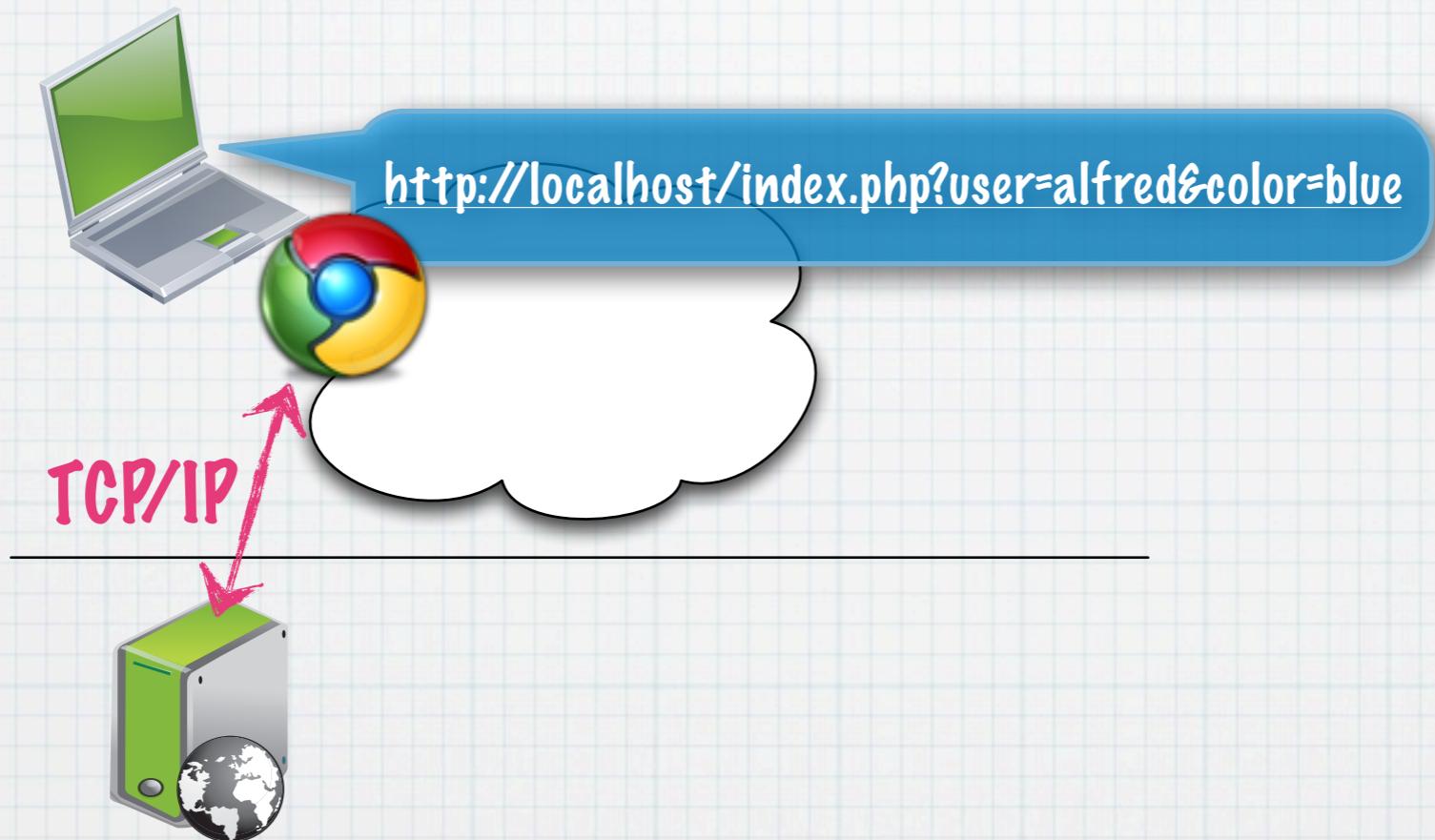
# Input til PHP: HTTP request-string



# Input til PHP: HTTP request-string



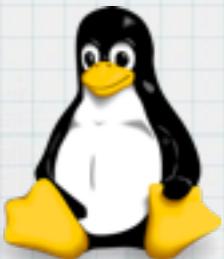
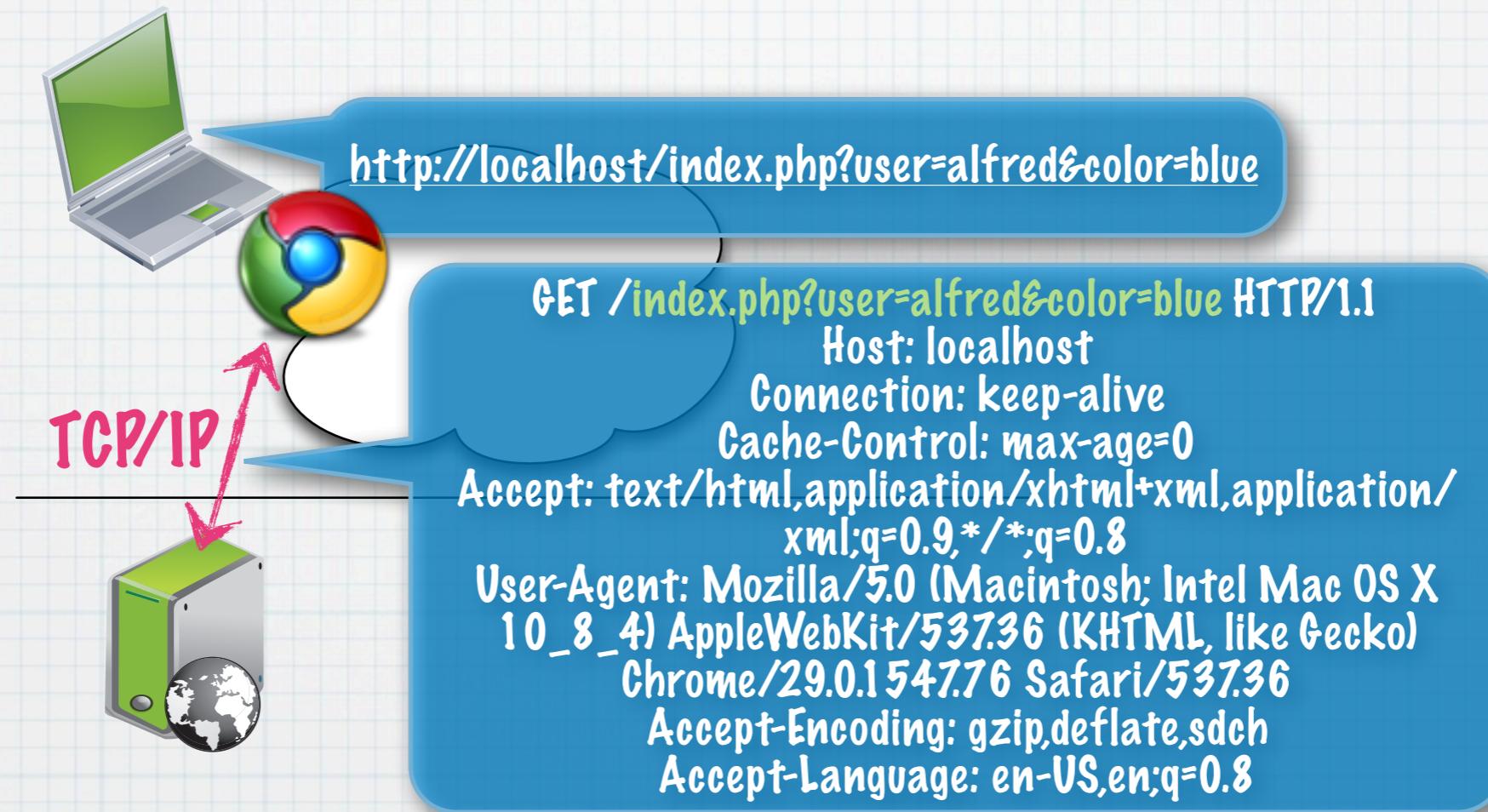
# Input til PHP: HTTP request-string



# Input til PHP: HTTP request-string



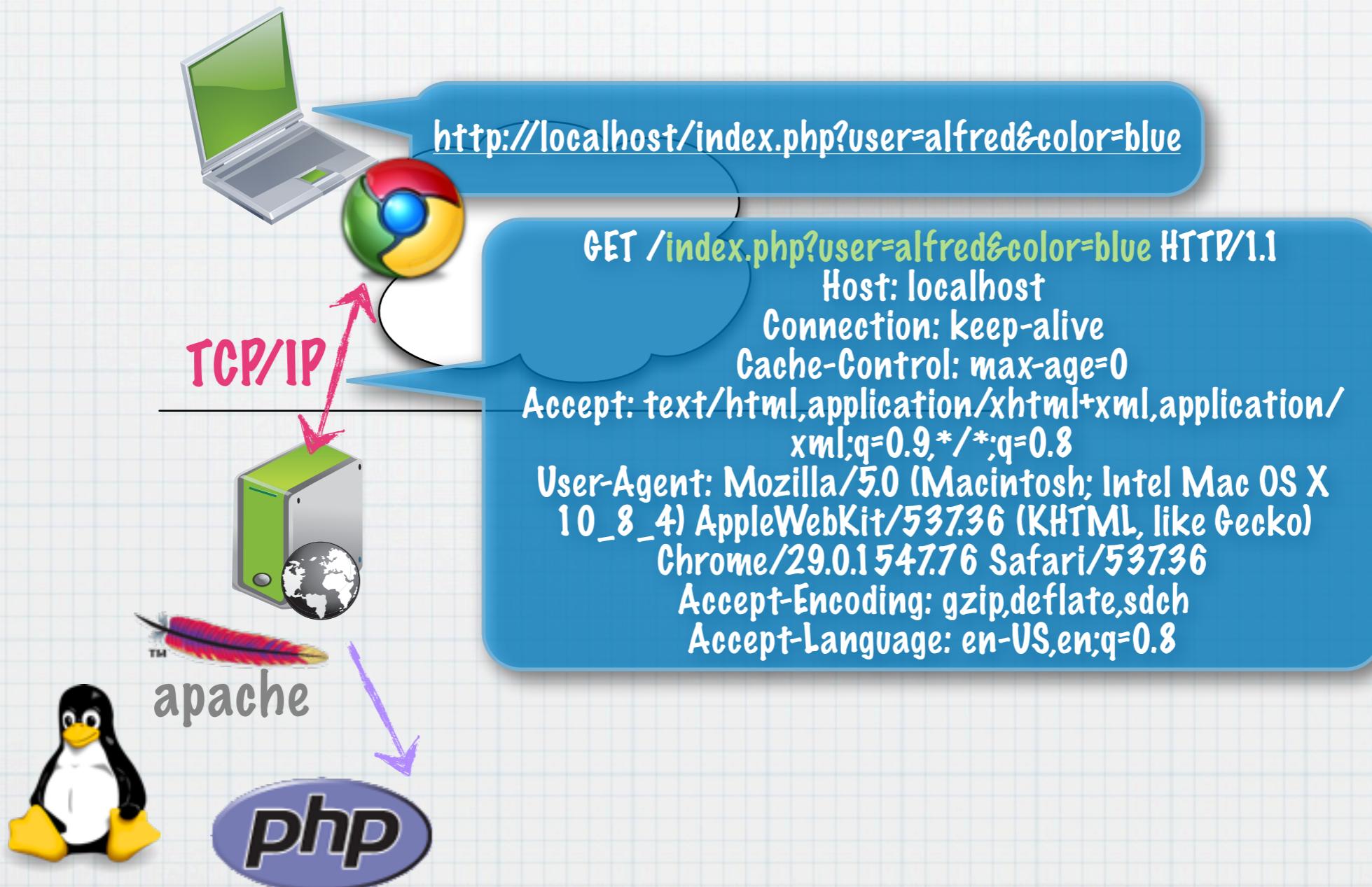
# Input til PHP: HTTP request-string



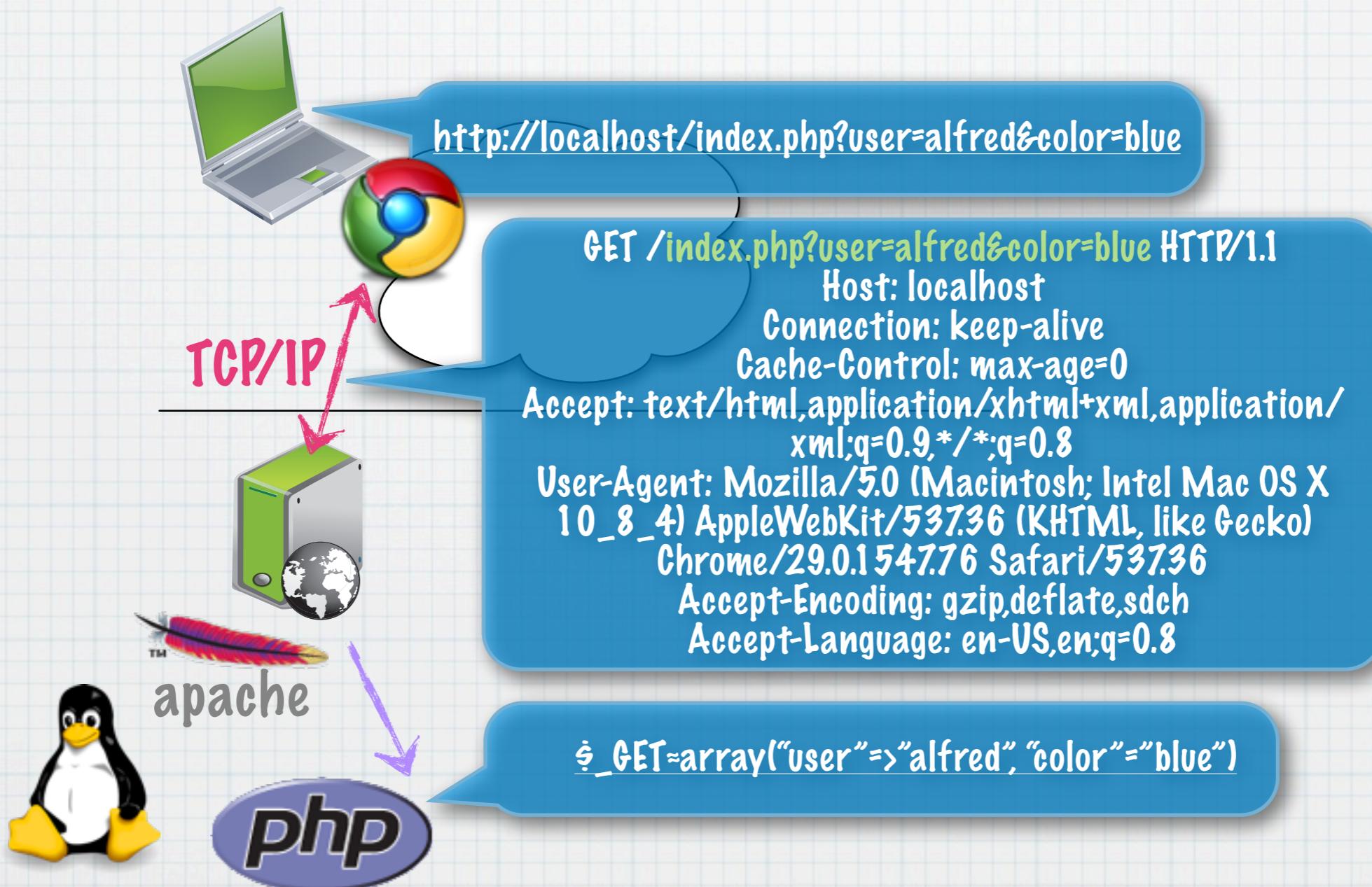
# Input til PHP: HTTP request-string



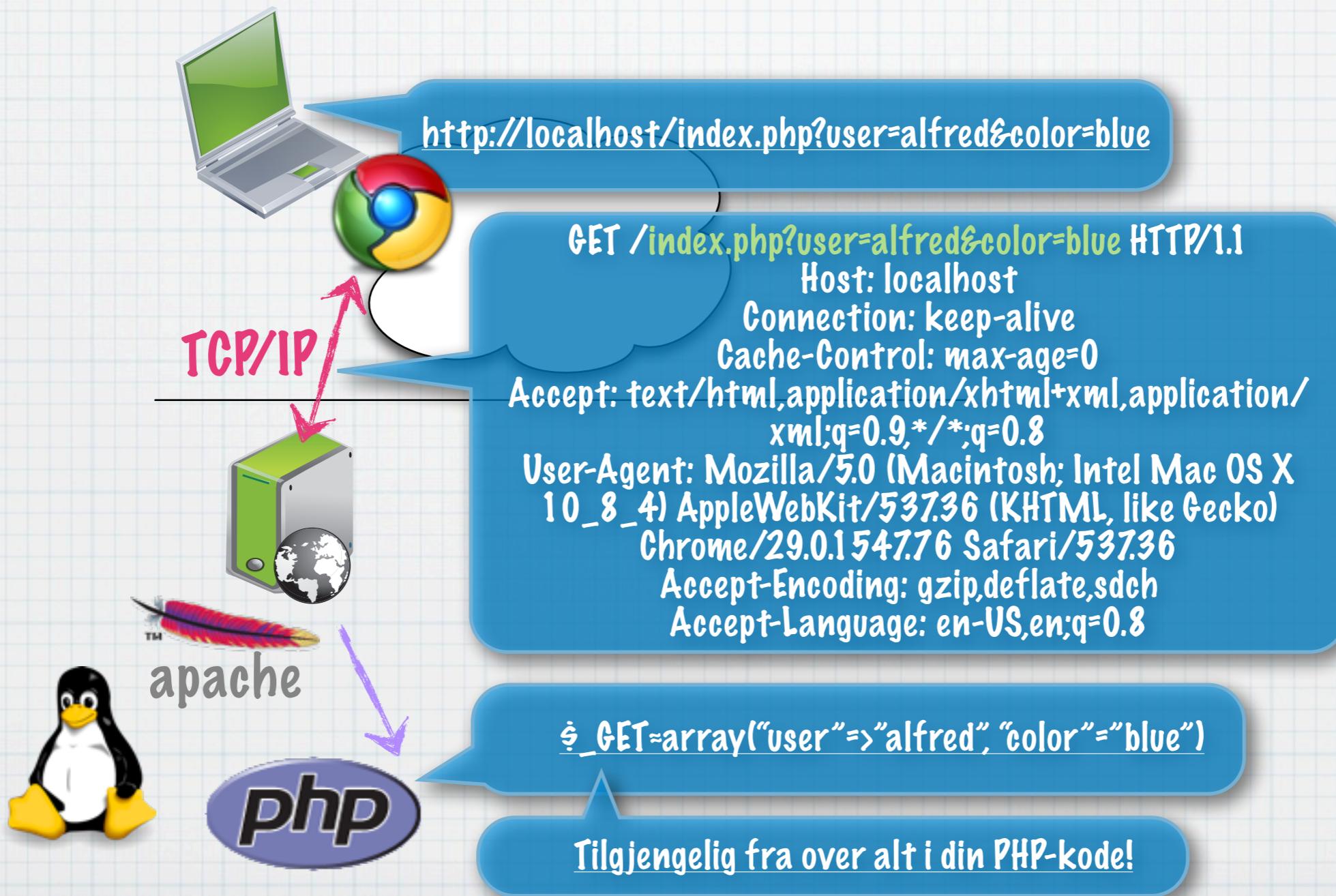
# Input til PHP: HTTP request-string



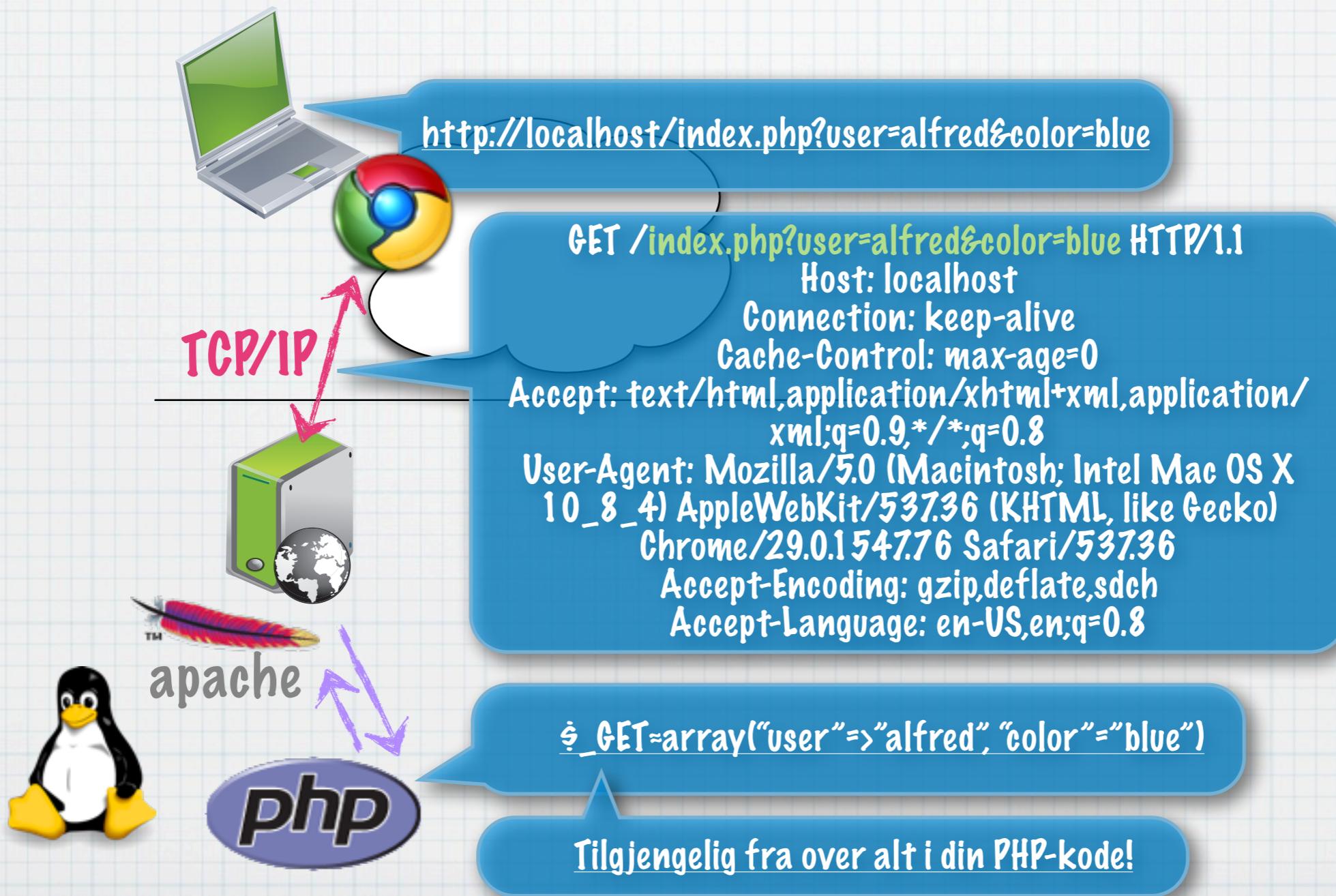
# Input til PHP: HTTP request-string



# Input til PHP: HTTP request-string



# Input til PHP: HTTP request-string



# PHP Basics: Kontrollstrukturer

- \* Hva er en kontrollstruktur?
- \* Styring av "programflyt"
- \* Funksjoner
- \* Løkker  
for, while, foreach
- \* Kondisjonaler  
if-else-elseif



A screenshot of a code editor window titled "control\_structures.html". The code is written in PHP and defines two functions: `getLastName()` and `welcomeUser()`. The `getLastName()` function sets global variables `$name1` and `$name2` to "Linus" and "Knausgård" respectively, or retrieves `$name2` from the `$_GET["name"]` query parameter. The `welcomeUser()` function calls `getLastName()`, checks if `$name2` is "Thorvalds", and if so, die with an error message. It then constructs a name string by concatenating `$name1` and `$name2`, and prints it 500 times using a `for` loop. Finally, it calls `welcomeUser()` and ends the script.

```
<?php
$name1="Linus";
$name2="Knausgård";

function getLastName(){
 global $name2;
 $name2="Carlsen";
 $name2=$_GET["name"];
}

function welcomeUser(){
 global $name1,$name2;
 getLastName();
 $name2=="Thorvalds" or die("Feil!");
 $name=$name1." ".$name2;
 for($i=0; $i<500; $i++)
 echo($name." Rocks");
}
welcomeUser();
?>
```

# PHP Basics: Kontrollstrukturer

The image shows a code editor with two tabs open:

- script4.js**:  
A JavaScript file containing the following code:

```
1 var name1="Linus";
2 var name2="Knausgård";
3
4 function getLastName(){
5 name2="Carlsen";
6 name2>window.prompt("Linus...",name2);
7 }
8
9 function welcomeUser(){
10 getLastName();
11 if(name2!="Thorvalds"){
12 alert("Feil!");
13 welcomeUser();
14 }
15
16 var name=name1+" "+name2;
17 for(var i=0; i<500; i++)
18 document.writeln(name+" Rocks");
19 }
20
```

Line 9, Column 24      Spaces: 4      JavaScript
- control\_structures.html**:  
An HTML file containing the following code:

```
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7 global $name2;
8 $name2="Carlsen";
9 $name2=$_GET["name"];
10 }
11
12 function welcomeUser(){
13 global $name1,$name2;
14 getLastName();
15 $name2=="Thorvalds" or die("Feil!");
16 $name=$name1." ".$name2;
17 for($i=0; $i<500; $i++)
18 echo($name." Rocks");
19 }
20
21 welcomeUser();
22 ?>
```

Line 22, Column 3      Tab Size: 4

# PHP Basics: Kontrollstrukturer

Javascript kan be  
øst om et vindu

```
1 var name1="Linus";
2
3 name2="Knausgård";
4
5 function getLastName(){
6 name2="Carlsen";
7 name2>window.prompt("Linus...",name2);
8 }
9 function welcomeUser(){
10 getLastName();
11 if(name2!="Thorvalds"){
12 alert("Feil!");
13 welcomeUser();
14 }
15
16 var name=name1+" "+name2;
17 for(var i=0; i<500; i++)
18 document.writeln(name+" Rocks");
19 }
20
```

Line 9, Column 24

Spaces: 4

JavaScript

```
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7 global $name2;
8 $name2="Carlsen";
9 $name2=$_GET["name"];
10 }
11
12 function welcomeUser(){
13 global $name1,$name2;
14 getLastName();
15 $name2=="Thorvalds" or die("Feil!");
16 $name=$name1." ".$name2;
17 for($i=0; $i<500; $i++)
18 echo($name." Rocks");
19 }
20
21 welcomeUser();
22 ?>
```

Line 22, Column 3

Tab Size: 4

# PHP Basics: Kontrollstrukturer

Javascript kan be  
øS om et vindu

```
* 1 var name1="Linus";
* 2
* 3 name2="Carlsen";
* 4 name2>window.prompt("Linus...",name1);
* 5 }
* 6
* 7 function welcomeUser(){
* 8 getLastName();
* 9 if(name2!="Thorvalds"){
*10 alert("Feil!");
*11 welcomeUser();
*12 }
*13
*14 var name=name1+" "+name2;
*15 for(var i=0; i<500; i++)
*16 document.writeln(name+" Rocks");
*17
*18 }
*19
*20
```

Line 9, Column 24

Spaces: 4

JavaScript

PHP kan bare  
svare eller  
“avbryte sedning”

```
UNREGISTERED control_structures.htm REGISTERED
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function welcomeUser(){
7 global $name1,$name2;
8 $name2="Carlsen";
9 $name2=$_GET["name"];
10 }
11
12 function welcomeUser(){
13 global $name1,$name2;
14 getLastName();
15 $name2=="Thorvalds" or die("Feil!");
16 $name=$name1." ".$name2;
17 for($i=0; $i<500; $i++)
18 echo($name." Rocks");
19 }
20
21 welcomeUser();
22 ?>
```

Line 22, Column 3

Tab Size: 4

# PHP Basics: Kontrollstrukturer

Javascript kan be  
øs om et vindu

I javascript kan vi  
bare "prøve igjen"

```
* 1 var name1="Linus";
* 2
* 3 function getLastName(){
* 4 name2="Carlsen";
* 5 name=name1+" "+name2;
* 6 if(name2=="Thorvalds"){
* 7 alert("Feil!");
* 8 welcomeUser();
* 9 }
*10
*11 var name=name1+" "+name2;
*12 for(var i=0; i<500; i++)
*13 document.writeln(name+" Rocks");
*14
*15 }
```

Line 9, Column 24

Spaces: 4

JavaScript

PHP kan bare  
svare eller  
"avbryte sedning"

```
UNREGISTERED control_structures.htm REGISTERED
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7 global $name2;
8 $name2="Carlsen";
9 $name2=$_GET["name"];
10
11
12 function welcomeUser(){
13 global $name1,$name2;
14 getLastName();
15 if($name2=="Thorvalds" or die("Feil!"));
16 $name=$name1." ".$name2;
17 for($i=0; $i<500; $i++)
18 echo($name." Rocks");
19
20
21 welcomeUser();
22 ?>
```

Line 22, Column 3

Tab Size: 4

# PHP Basics: Kontrollstrukturer

Javascript kan be  
øs om et vindu

I javascript kan vi  
bare "prøve igjen"

```
* 1 var name1="Linus";
* 2 name2="Knausgård";
* 3
* 4 function getLastname(){
* 5 name="Carlsen";
* 6 name=window.prompt("Linus...","name");
* 7
* 8 function welcomeUser(){
* 9 if(name2=="Thorvalds"){
*10 alert("Feil!");
*11 welcomeUser();
*12 }
*13
*14 var name=name1+" "+name2;
*15 for(var i=0; i<500; i++)
*16 document.writeln(name+" Rocks");
*17
*18 }
*19
*20
*21
*22
```

Line 9, Column 24

Spaces: 4

PHP kan bare  
svare eller  
"avbryte sedning"

I PHP?

```
UNREGISTERED control_structures.htm REGISTERED
1 <?php
2
3 $name2="Knausgård";
4
5 function getLastname(){
6 global $name2;
7 $name2="Carlsen";
8
9 if($_GET["name"]){
10 welcomeUser();
11 }
12
13 global $name1,$name2;
14 getLastname();
15 $name2=="Thorvalds" or die("Feil!");
16 $name=$name1." ".$name2;
17 for($i=0; $i<500; $i++)
18 echo($name." Rocks");
19
20
21 welcomeUser();
22 ?>
```

Line 22, Column 3

Tab Size: 4

# PHP Basics: Kontrollstrukturer

I javascript kan vi  
bare “prøve igjen”

```
script4.js
1 var name1="Linus";
2 var name2="Knausgård";
3
4 function getLastname(){
5 name2="Carlsen";
6 name2>window.prompt("Linus...","name");
7 }
8 function welcomeUser(){
9 if(name2=="Thorvalds"){
10 alert("Feil!");
11 }
12 welcomeUser();
13 }
14
15 var name=name1+" "+name2;
16 for(var i=0; i<500; i++)
17 document.writeln(name+" Rocks");
18 }
19
20
21
22
```

Line 9, Column 24      Spaces: 4      JavaScript

```
control_structures.htm
1 <?php
2
3 $name2="Knausgård";
4
5 function getLastname(){
6 global $name2;
7 $name2="Carlsen";
8 if($_GET["name"]){
9 echo $_GET["name"];
10 }
11 }
12
13 function welcomeUser(){
14 global $name1,$name2;
15 getLastname();
16 $name2=="Thorvalds" or die("Feil!");
17 $name=$name1." ".$name2;
18 for($i=0; $i<500; $i++)
19 echo($name." Rocks");
20
21 welcomeUser();
22 ?>
```

Line 22, Column 3      Tab Size: 4

PHP kan bare  
svare eller  
“avbryte sedning”

I PHP?

# PHP Basics: Kontrollstrukturer

```
* script4.js UNREGISTERED
1 var name1="Linus";
2 var name2="Knausgård";
3
4 function getLastName(){
5 name2="Carlsen";
6 name2>window.prompt("Linus..."),name2);
7
8 function welcomeUser(){
9 if(name2=="Thorvalds"){
10 alert("Feil!");
11 welcomeUser();
12 }
13 var name=name1+" "+name2;
14 for(var i=0; i<500; i++)
15 document.writeln(name+" Rocks");
16 }
17
18
19 }
20

Line 9, Column 24 Spaces: 4 JavaScript
```

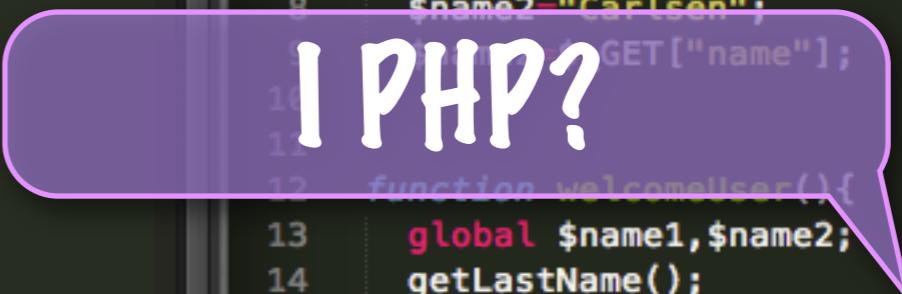
```
* control_structures.html UNREGISTERED
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7 global $name2;
8 $name2="Carlsen";
9 if($_GET["name"]){
10 welcomeUser();
11 }
12 global $name1,$name2;
13 getLastName();
14 $name2=="Thorvalds" or die("Feil!");
15 $name=$name1." ".$name2;
16 for($i=0; $i<500; $i++)
17 echo($name." Rocks");
18 }
19 welcomeUser();
20 ?>

Line 22, Column 3 Tab Size: 4
```

I javascript kan vi bare "prøve igjen"

I PHP?

# PHP Basics: Kontrollstrukturer



```
* script4.js UNREGISTERED
script4.js
1 var name1="Linus";
2 var name2="Knausgård";
3
4 function getLastName(){
5 name2="Carlsen";
6 name2>window.prompt("Linus...",name2);
7 }
8
9 function welcomeUser(){
10 getLastName();
11 if(name2!="Thorvalds"){
12 alert("Feil!");
13 welcomeUser();
14 }
15
16 var name=name1+" "+name2;
17 for(var i=0; i<500; i++)
18 document.writeln(name+" Rocks");
19 }
20

Line 9, Column 24 Spaces: 4 JavaScript

control_structures.html UNREGISTERED
control_structures.html *
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7 global $name2;
8 $name2="Carlsen";
9 if($_GET["name"]){
10
11 function welcomeUser(){
12 global $name1,$name2;
13 getLastName();
14 if($name2=="Thorvalds" or die("Feil!"));
15 $name=$name1." ".$name2;
16 for($i=0; $i<500; $i++)
17 echo($name." Rocks");
18 }
19
20 welcomeUser();
21
22 ?>

Line 22, Column 3 Tab Size: 4
```

# PHP Basics: Kontrollstrukturer

```
script4.js
1 var name1="Linus";
2 var name2="Knausgård";
3
4 function getLastName(){
5 name2="Carlsen";
6 name2>window.prompt("Linus...",name2);
7 }
8
9 function welcomeUser(){
10 getLastName();
11 if(name2!="Thorvalds"){
12 alert("Feil!");
13 welcomeUser();
14 }
15
16 var name=name1+" "+name2;
17 for(var i=0; i<500; i++)
18 document.writeln(name+" Rocks");
19 }
20

control_structures.html
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7 global $name2;
8 $name2="Carlsen";
9 $name2=$_GET["name"];
10 }
11
12 function welcomeUser(){
13 global $name1,$name2;
14 getLastName();
15 $name2=="Thorvalds" or die("Feil!");
16 $name=$name1." ".$name2;
17 for($i=0; $i<500; $i++)
18 echo($name." Rocks");
19 }
20
21 welcomeUser();
22 ?>
```

# PHP Basics: Kontrollstrukturer



```
* script4.js UNREGISTERED
script4.js
1 var name1="Linus";
2 var name2="Knausgård";
3
4 function getLastName(){
5 name2="Carlsen";
6 name2>window.prompt("Linus...",name2);
7 }
8
9 function welcomeUser(){
10 getLastName();
11 if(name2!="Thorvalds"){
12 alert("Feil!");
13 welcomeUser();
14 }
15
16 var name=name1+" "+name2;
17 for(var i=0; i<500; i++){
18 echo($name." Rocks");
19 }
20
21 welcomeUser();
22 }

control_structures.html UNREGISTERED
control_structures.html *
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7 global $name2;
8 $name2="Carlsen";
9 $name2=$_GET["name"];
10 }
11
12 function welcomeUser(){
13 global $name1,$name2;
14 getLastName();
15 $name2=="Thorvalds" or die("Feil!");
16 $name=$name1." ".$name2;
17 for($i=0; $i<500; $i++)
18 echo($name." Rocks");
19
20 welcomeUser();
21
22 ?>
```

welcomeUser i JS  
"tar kontakt" med  
bruker via OS

# PHP Basics: Kontrollstrukturen

The screenshot shows a Mac OS X window titled "script4.js". The window has a standard title bar with red, yellow, and green buttons. The main area contains a text editor with the following JavaScript code:

```
1 var name1="Linus";
2 var name2="Knausgård";
3
4 function getLastName(){
5 name2="Carlsen";
6 name2=window.prompt("Linus...",name2);
7 }
8
9 function welcomeUser(){
10 getLastName();
11 if(name2!="Thorvalds"){
12 alert("Feil!");
13 welcomeUser();
14 }
15 }
```

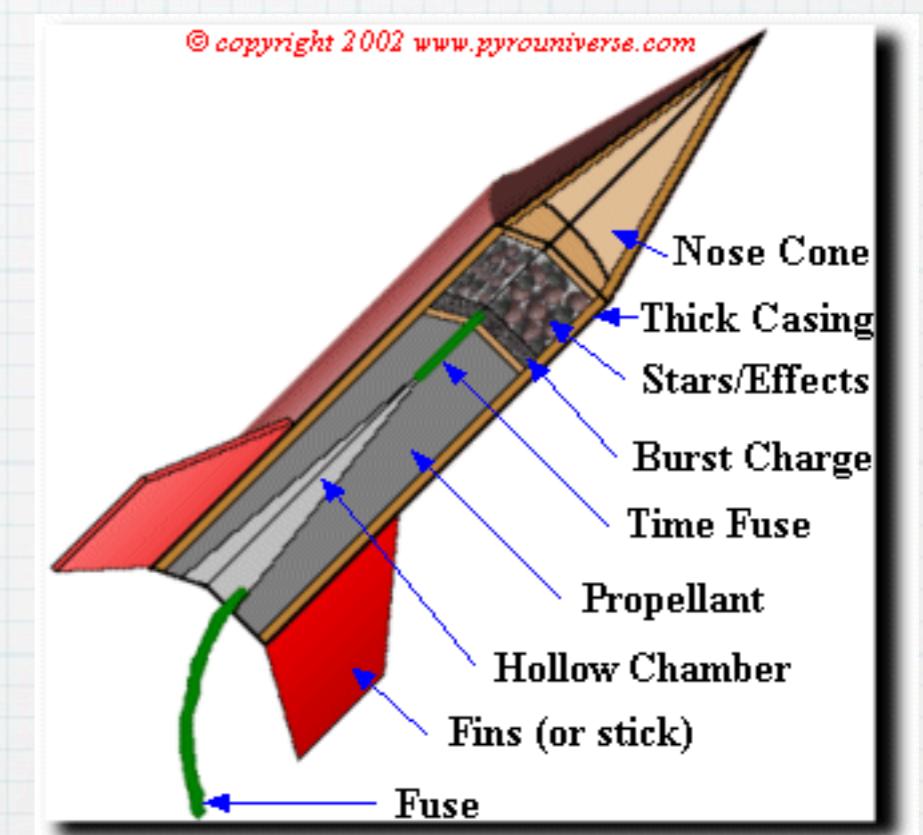
# welcomeUser i JS

## “tar kontakt” med bruker via OS

```
control_structures.html x
1 <?php
2
3 $name1="Linus";
4 $name2="Knausgård";
5
6 function getLastName(){
7 global $name2;
8 $name2="Carlsen";
9 $name2=$_GET["name"];
10 }
11
12 function welcomeUser(){
13 global $name1,$name2;
14 getLastName();
15 $name2=="Thorvalds" or die("Feil!");
```

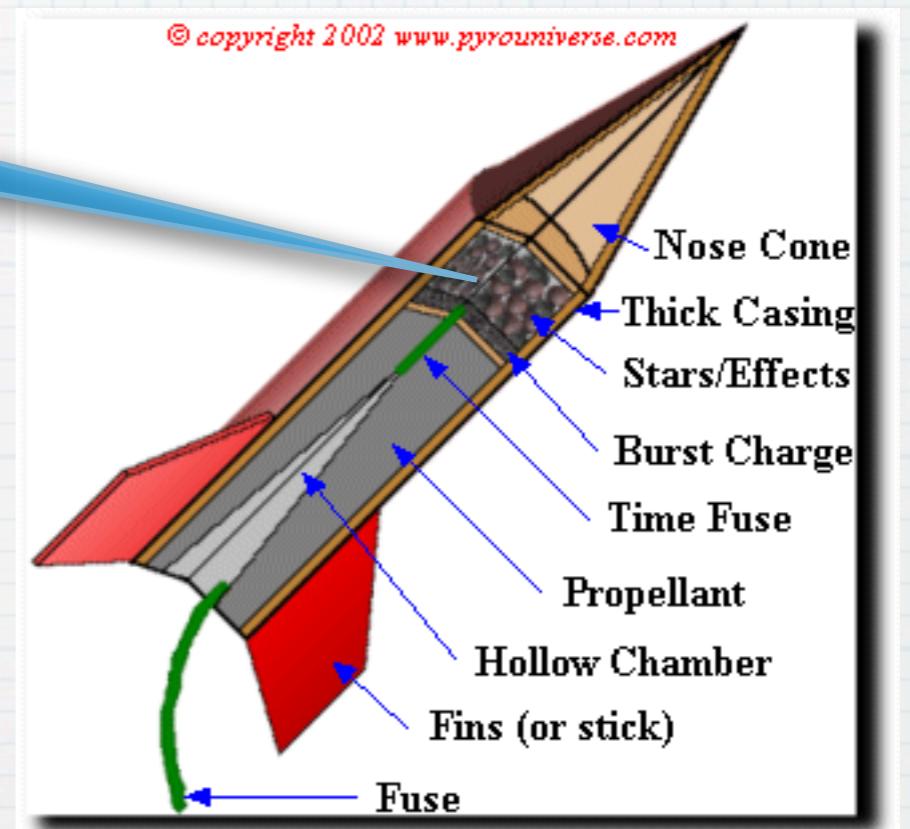
# PHP leser bare `$_GET`. Kan ikke “be om” data direkte

# Fyrverkeri



# Fyrverkeri

Javascript  
HTML/CSS

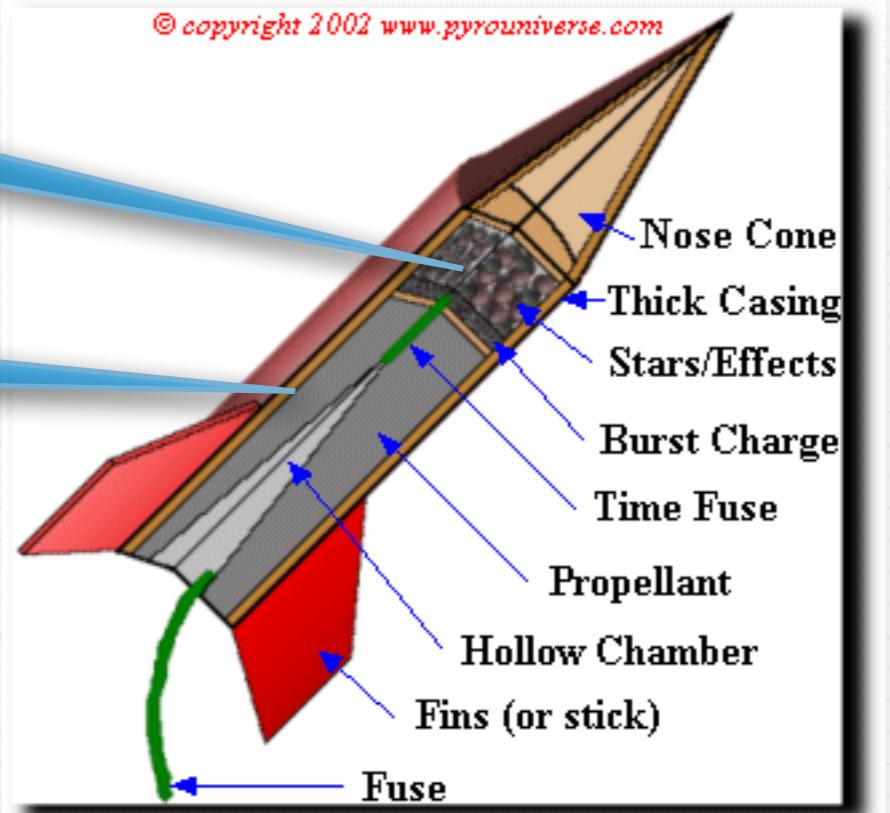


# Fyrverkeri

Javascript  
HTML/CSS

HTTP

© copyright 2002 www.pyrouniverse.com



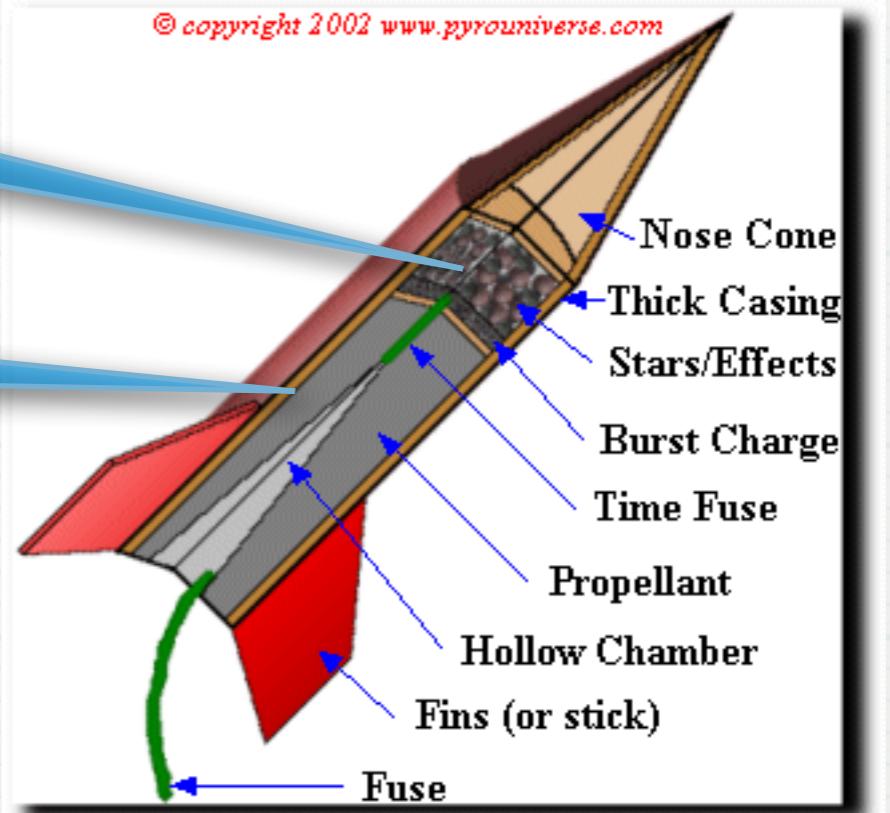
# Fyrverkeri

Javascript  
HTML/CSS

HTTP

PHP?

© copyright 2002 www.pyrouniverse.com

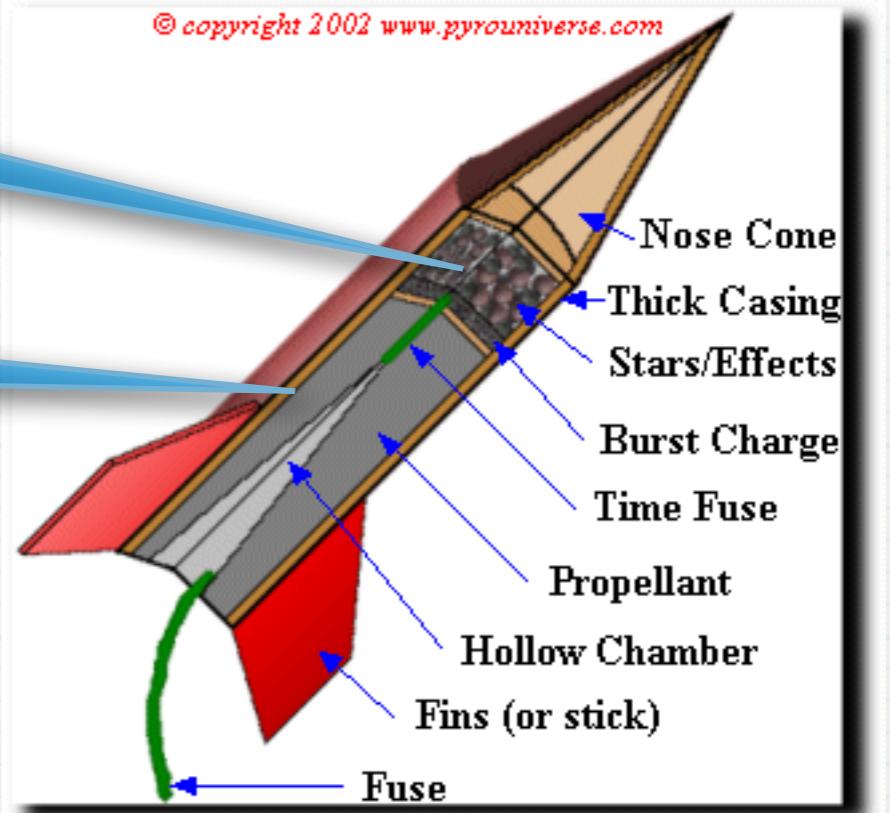


# Fyrverkeri

Javascript  
HTML/CSS

HTTP

© copyright 2002 www.pyrouniverse.com



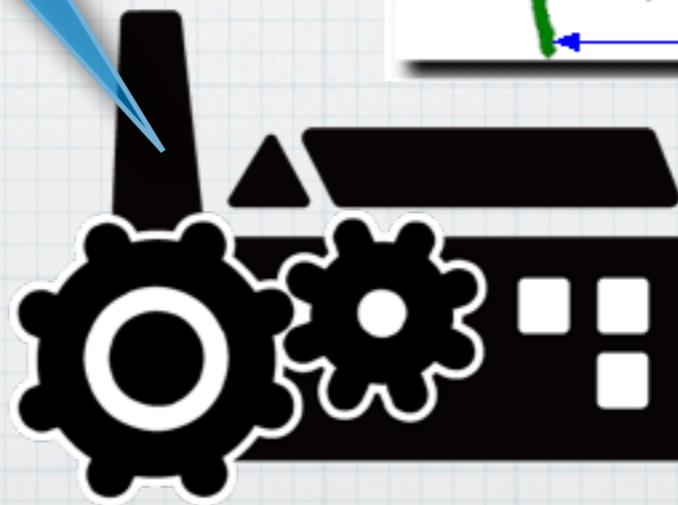
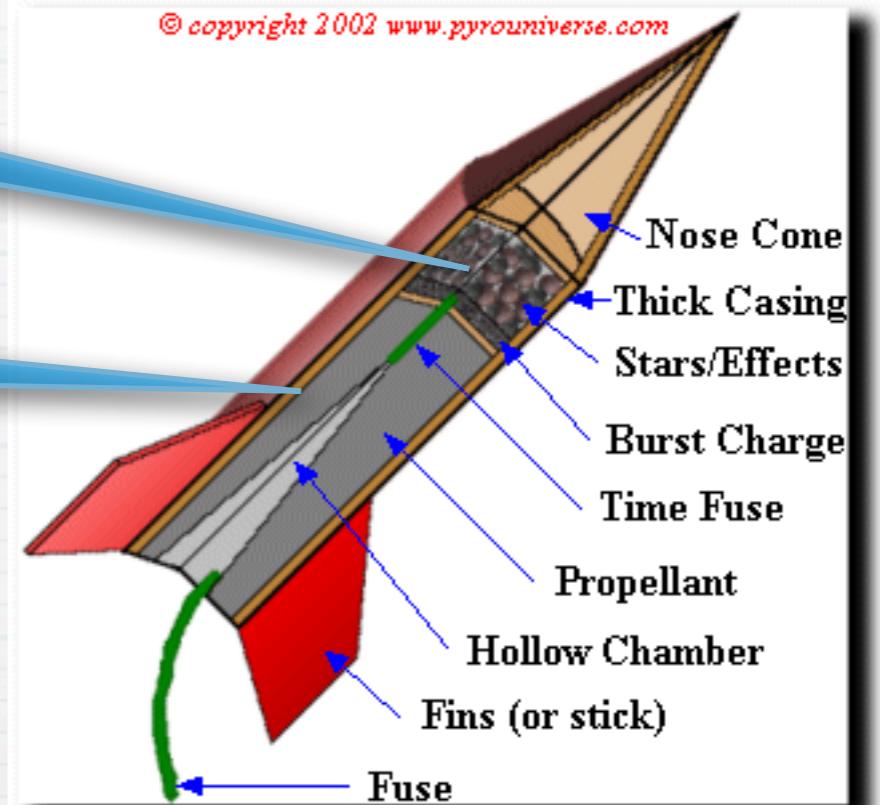
# Fyrverkeri

Javascript  
HTML/CSS

HTTP

PHP!

© copyright 2002 www.pyrouniverse.com



# Fyrverkeri!

---

Fyrverkeri!  
4 versjoner legges på nett