



PHP

MERE INTRODUKTION TIL PROGRAMMERING



PROGRAMMILJØ

XAMPP OG NETBEANS

DOWNLOAD OG INSTALLER!

- Download xampp på, og installer!
 - Apache Freinds: www.apachefriends.org
 - Download denne udgave: [xampp-portable-win32-5.6.15-2-VCL11-installer.exe](http://www.apachefriends.org/xampp-portable-win32-5.6.15-2-VCL11-installer.exe)
- Download NetBeans og installer!
 - netbeans.org
 - Download PHP udgaven:
<https://netbeans.org/downloads/start.html?platform=windows&lang=en&option=php&bits=x86>

START XAMPP

- Prøv at browse...

NETBEANS

- Dit første php projekt
- `<?php`
 - `printf("Goddag, kære verden");`
- `?>`



PHP VS. C

OM FORSKELLE OG LIGHEDER

WEB, HTTP, BROWSER

- PHP er beregnet til at køre på en webserver
 - Der er altid et request fra en browser, og
 - så køres PHP-scriptet
 - Og sendes til browseren
- Input kommer via browseren

FORTOLKET KODE

- PHP er fortolket, ikke kopileret.
 - Hver enkelt linie oversættes først når den afvikles
- Ingen maskinkode-fil
- Kan køre på mange maskiner og forskellige OS'er

HTML TEMPLATE

- Fletter ind og ud af html med `<?php ?>`

ALLE VARIABLER STARTER MED \$

- `$navn = 'Søren';`

TYPELØSE VARIABLER

- `$navn = 'Søren';`
- `$navn = 0210650393;`
- `$sum = '3' + '7';`
- `$sum = '2' + 'hest';`

PHP ER STÆRKT INSPIRERET AF C

- Tilskrivning (assignment)
 - [variabel] = [værdi]
 - I C:
 - `int x;`
 - `x = 22;`
 - I PHP:
 - `$x = 22;`
- `if(...) { ... }`
- `for(...; ...; ...;) { ... }`
- `while(...) { ... }`
- Funktioner
 - Meget lig C, men er typeløse lige som variabler, så ...

A decorative graphic on the left side of the slide consisting of two parallel, wavy vertical lines. The inner line is yellow and the outer line is white, both set against a dark brown background.

TEKST OG TAL

OG VARIABLER

DIREKTE TEKSTER

Når man skriver en tekst direkte ind i koden. (en dansk oversættelse af det engelske "String literal")

```
print 'I would like a bowl of soup.';
```

```
print 'chicken';
```

```
print '06520';
```

```
print "'I am eating dinner," he growled.';
```

```
I would like a bowl of soup.chicken06520"I am eating dinner," he growled.
```

ESCAPE

```
print 'We'll each have a bowl of soup.';
```

```
We'll each have a bowl of soup.
```

MERE ESCAPE

```
print 'Use a \\ to escape in a string';
```

```
Use a \ to escape in a string
```


MELLEMTRUM OG LINIESKIFT

```
print '<ul>
      <li>Beef Chow-Fun</li>
      <li>Sauteed Pea Shoots</li>
      <li>Soy Sauce Noodles</li>
</ul>';
```

```
<ul>
  <li>Beef Chow-Fun</li>
  <li>Sauteed Pea Shoots</li>
  <li>Soy Sauce Noodles</li>
</ul>
```

- Beef Chow-Fun
- Sauteed Pea Shoots
- Soy Sauce Noodles

DOBBLET "PLING" ("CITATIONSTEGN")

print

```
"<p>Fiskerinoteringen:</p>\n<pre>\tTorsk\tRødspætte\tSild\nThyborøn\t26\t19\t52\nHvidesand  
e\t12\t11\t7\n";
```

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ØVELSER

I PHP

FIND FEJLENE

```
<? php  
    print 'How are you?';  
    print 'I'm fine.';  
??>
```

RESTAURANTBESØG

- Write a PHP program that computes the total cost of this restaurant meal:
 - Two hamburgers at \$4.95 each,
 - one chocolate milk shake at \$1.95,
 - and one cola at 85 cents.
 - The sales tax rate is 7.5%,
 - and you left a pre-tax tip of 16%.
- And you skal også calculate in Danske kroner! En Dollar koster dags dato 6,60 DKK.

RESTAURANTBESØG 2

- Modify your solution to the previous exercise to print out a formatted bill.
- For each item in the meal,
 - print the price,
 - quantity,
 - and total cost.
- Print the pre-tax food and drink total,
 - the post-tax total,
 - and the total with tax and tip.
- Make sure that prices in your output are vertically aligned.

UDSKRIV HELE DIT NAVN

- Write a PHP program that sets the variable **`$first_name`** to your first name and **`$last_name`** to your last name.
- Print out a string containing your first and last name separated by a space.
- Also print out the length of that string.

KOMMENTARER

- Add comments to the PHP programs you've written for the other exercises.
- Try both single and multiline comments.
- After you've added the comments, run the programs to make sure they work properly and your comment syntax is correct.

GANGE GANGE

Write a PHP program that uses the increment operator (++) and the combined multiplication operator (*=) to print out the numbers from 1 to 5 and powers of 2 from 2 (2^2) to 32 (2^5).