PHP

PROGRAMMILJØ

XAMPP OG NETBEANS

DOWNLOAD OG INSTALLER!

- Download xammp på, og installer!
  - Apache Freinds: www.apachefriends.org
    - Download denne udgave: xampp-portable-win32-5.6.15-2-VC11-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

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 …

TEKST OG TAL

OG VARIABLER

DIREKTE TEKSTER

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

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

MELLEMRUM 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";
```

ØVELSER

FIND FEJLENE

```php
<? 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%.

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).