

Programming Fundamental

Exploring



Make your own Function

```
<?php
```

```
function contoh() {  
    echo 'Hello World!';  
}
```

```
contoh();
```

```
?>
```

Function

```
function plus() {  
    $x = 50;  
    $x++;  
    echo $x . "<br>";  
}
```

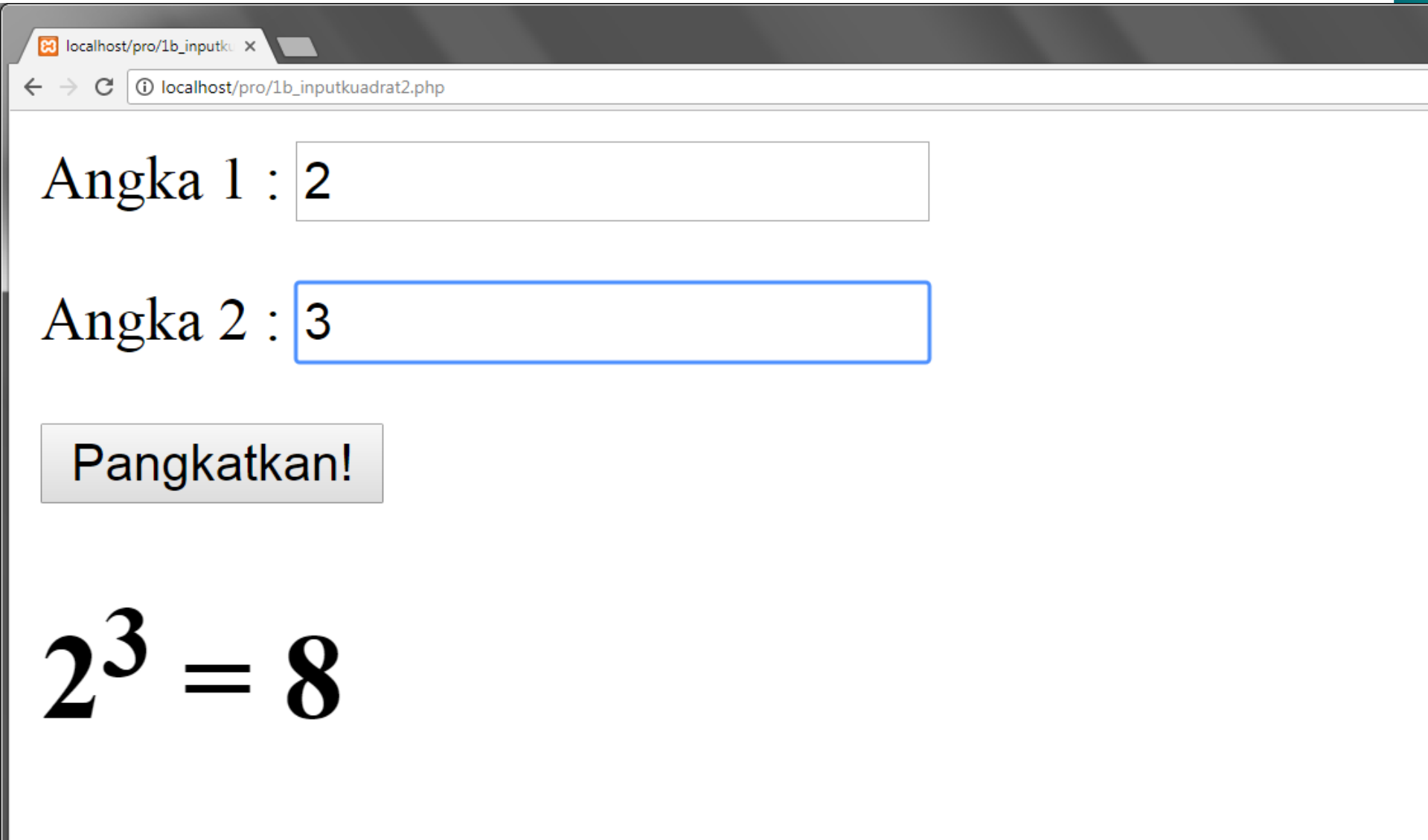
```
plus();  
plus();  
plus();
```

Static Variabel

```
function plus() {  
    static $x = 50;  
    $x++;  
    echo $x . "<br>";  
}
```

```
plus();  
plus();  
plus();
```

Make its function!



A screenshot of a web browser window. The address bar shows the URL `localhost/pro/1b_inputkuadrat2.php`. The page content includes two input fields with labels "Angka 1 :" and "Angka 2 :". The first input field contains the value "2" and the second contains "3". Below these is a button labeled "Pangkatkan!". At the bottom of the page, the result is displayed as the mathematical equation $2^3 = 8$.

localhost/pro/1b_inputku x

localhost/pro/1b_inputkuadrat2.php

Angka 1 : 2

Angka 2 : 3

Pangkatkan!

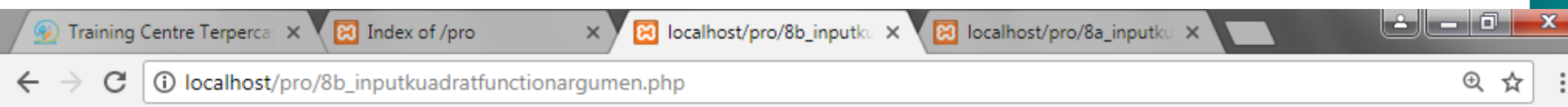
$2^3 = 8$

Function & 1 Argument

```
function namaku($nama) {  
echo "$nama Susanto<br>";  
}
```

```
namaku("Andy");  
namaku("Kay");  
namaku("Rudy");  
namaku("Zainal");
```

Make its function!



Angka :

3

Pangkatkan!

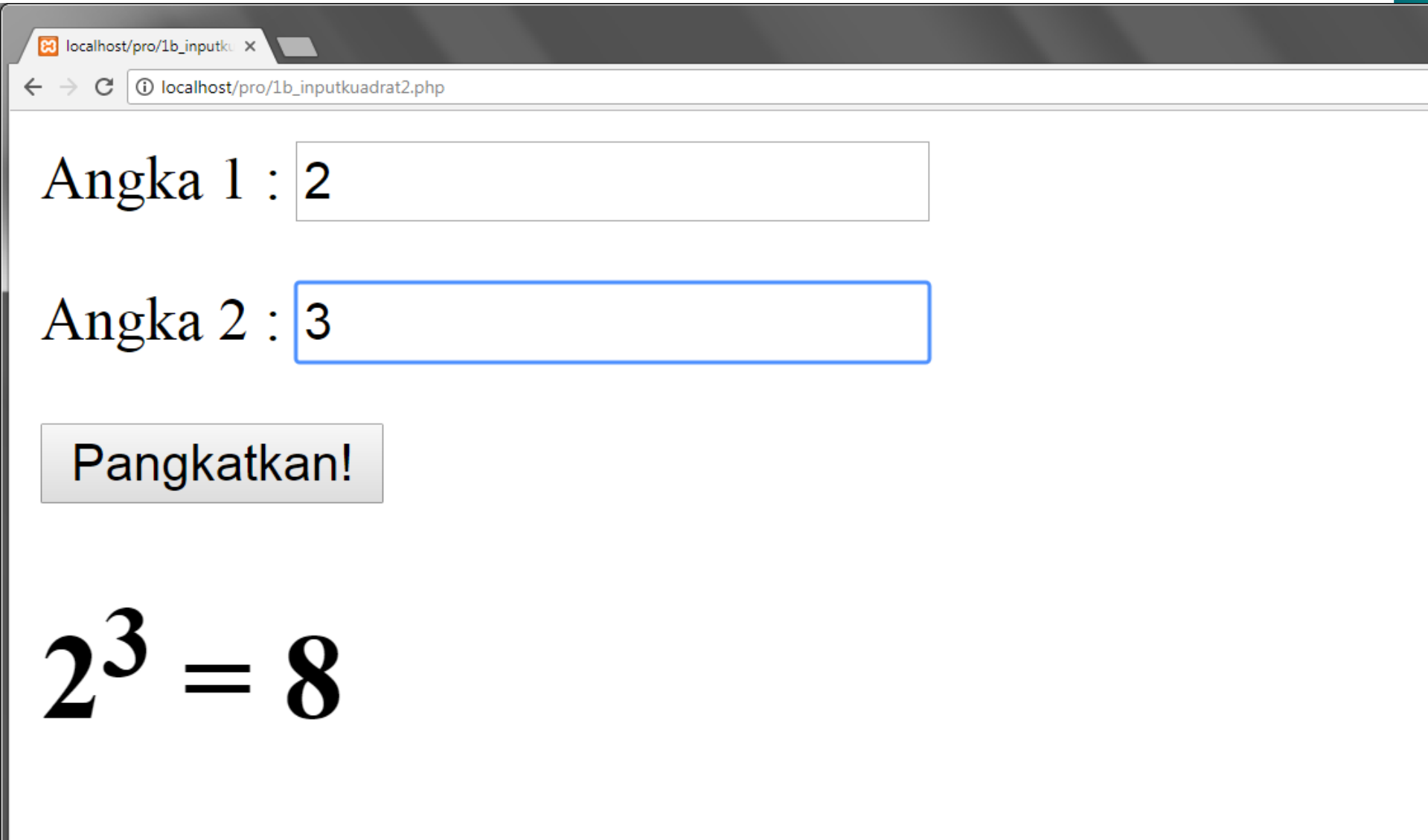
$$3^2 = 9$$

1 Function & 2 Arguments

```
function Nama($x, $y) {  
  echo "$x Suyono. Lahir th $y <br>";  
}
```

```
Nama("Budi", "1975");  
Nama("Sindhu", "1978");  
Nama("Sisca", "1983");
```


Make it with 2 Arguments on a single Function



The screenshot shows a web browser window with a single tab titled 'localhost/pro/1b_inputku'. The address bar shows the URL 'localhost/pro/1b_inputkuadrat2.php'. The page content includes two input fields for numbers, a button labeled 'Pangkatkan!', and the result of the calculation, $2^3 = 8$.

Angka 1 :

Angka 2 :

$2^3 = 8$

Make it with 2 Arguments on a single Function



Angka 1 : 2

Angka 2 : 3

Gede Mana?

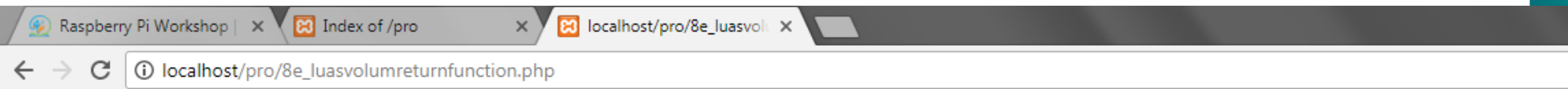
3 lebih gede dari 2

Return Function

```
function sum($x, $y) {  
    $z = $x + $y;  
    return $z;  
}
```

```
echo "5+5= " . sum(5,5) . "<br>;  
echo "7+3= " . sum(7,3) . "<br>;  
echo "2+4= " . sum(2,4);
```

Make it with Return Function



Sisi kubus : meter

Hitung Luas & Volume

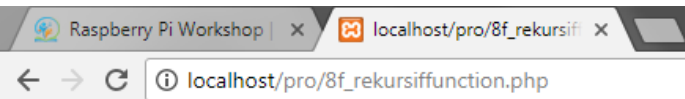
Luas perm kubus = 9 m²

Volume kubus = 27 m³

Recursive Function

```
function Pangkat($x, $y){  
    if ($x == 1) {  
        return $y;  
    }  
    else {  
        return $x = $x * Pangkat($x, $y - 1);  
    }  
}  
  
echo Pangkat(7,2) . "<br>;"
```

Recursive Function



Hitung faktorial dari:

OK

$$4! = 24$$

Define Constant

```
<?php  
define("ALoha", "Welcome to");  
define("PWDK", "Purwadhika", true);
```

```
function Test() {  
    echo ALoha . '<br>';  
    echo pwdk . '<br>';  
}
```

```
Test();  
?>
```

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