Programming Fundamental

Exploring

Purwadhika
Startup and Coding School

Array & Its Length

```
<?php

$x = array("Ubi", "Wortel", "Kol");

echo "Saya suka " . $x[0] . ", ";
echo $x[1] . " & " . $x[2] . ".";

echo "<br><br>";

echo count($x);

?>
```

Loop Through an Indexed Array

```
<?php

$pet = array("Kucing", "Kelinci", "Ikan");
$pjgarray = count($pet);

for($x = 0; $x < $pjgarray; $x++) {
        echo $pet [$x];
        echo "<br>";
}

?>
```

Associative Arrays

```
<?php

$usia = array("Andi"=>"20",
"Budi"=>"21", "Caca"=>"22");

echo "Andi " . $usia['Andi'] . " th<br>";
echo “Budi " . $usia[‘Budi'] . " th<br>";
echo “Caca " . $usia[‘Caca'] . " th<br>";

?>
```

Loop Through an Associative Array

```
<?php

$umur = array("Andi"=>"20",
"Budi"=>"21", "Caca"=>"22");

foreach($umur as $x => $nilai_x) {
echo "Key= " . $x . ", Value= " . $nilai_x;
echo "<br>";
}

?>
```

Sorting Array

SORT()
RSORT()

KSORT
KRSORT()

ASORT()
ARSORT()

Purwadhika
Startup and Coding School

SORT() *Ascending Sorting Array*

```php
<?php

$nama = array("Budi", "Andi", "Caca");

echo "Urutan elemen array sebelum disortir:<br>";
echo $nama[0] . "<br>";
echo $nama[1] . "<br>";
echo $nama[2] . "<br><br>";

sort($nama);

echo "Urutan elemen usai disortir SORT():<br>";
echo $nama[0] . "<br>";
echo $nama[1] . "<br>";
echo $nama[2] . "<br><br>";

?>
```

RSORT() *Descending Sorting Array*

```php
<?php

$nama = array("Budi", "Andi", "Caca");

echo "Urutan elemen array sebelum disortir:<br>";
echo $nama[0] . "<br>";
echo $nama[1] . "<br>";
echo $nama[2] . "<br><br>";

rsort($nama);

echo "Urutan elemen usai disortir RSORT():<br>";
echo $nama[0] . "<br>";
echo $nama[1] . "<br>";
echo $nama[2] . "<br><br>";

?>
```

KSORT() *Ascending Sorting Array by Key*

```
<?php

$nama = array("Budi"=>"19", "Andi"=>"21",
"Caca"=>"20");

echo "Urutan sebelum disortir:<br>";
foreach($nama as $key => $value) {
echo $key . " " . $value . "<br>";}

echo "<br>Urutan KSORT:<br>";
ksort($nama);
foreach($nama as $key => $value) {
echo $key . " " . $value . "<br>";}

?>
```

KRSORT() *Descending Sorting Array by Key*

```
<?php

$nama = array("Budi"=>"19", "Andi"=>"21",
"Caca"=>"20");

echo "Urutan sebelum disortir:<br>";
foreach($nama as $key => $value) {
echo $key . " " . $value . "<br>";}

echo "<br>Urutan KRSORT:<br>";
krsort($nama);
foreach($nama as $key => $value) {
echo $key . " " . $value . "<br>";}

?>
```

ASORT() *Ascending Sorting Array by Val*

```
<?php

$nama = array("Budi"=>"19", "Andi"=>"21",
"Caca"=>"20");

echo "Urutan sebelum disortir:<br>";
foreach($nama as $key => $value) {
echo $key . " " . $value . "<br>";}

echo "<br>Urutan ASORT:<br>";
asort($nama);
foreach($nama as $key => $value) {
echo $key . " " . $value . "<br>";}

?>
```

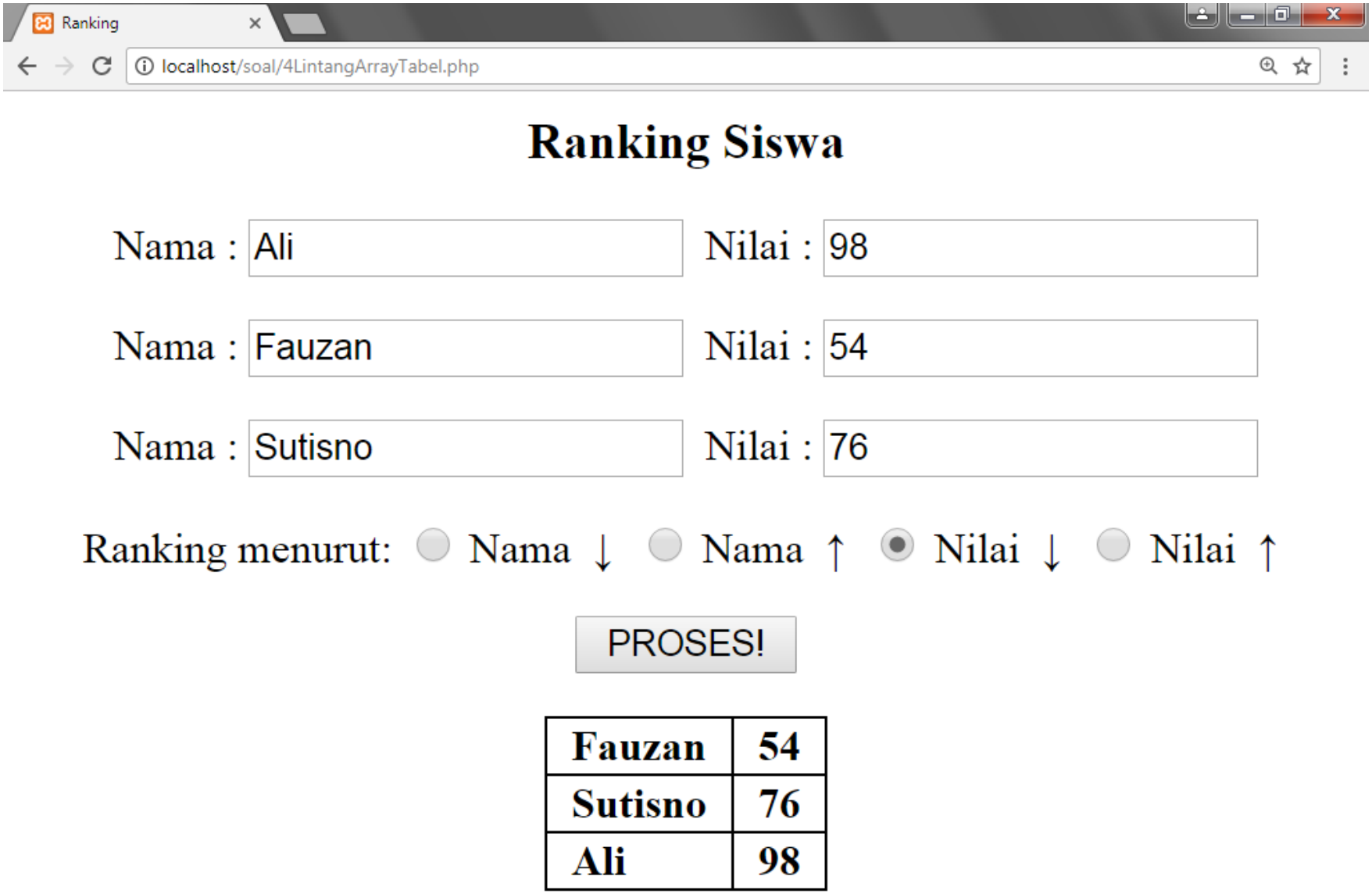
ARSORT() *Descending Sorting Array by Val*

```
<?php

$nama = array("Budi"=>"19", "Andi"=>"21",
"Caca"=>"20");

echo "Urutan sebelum disortir:<br>";
foreach($nama as $key => $value) {
echo $key . " " . $value . "<br>";}

echo "<br>Urutan ARSORT:<br>";
arsort($nama);
foreach($nama as $key => $value) {
echo $key . " " . $value . "<br>";}

?>
```

Multidimentional Array

```
$motor = array(
array("Honda",22,18), array("Suzuki",15,13),
array("Yamaha",5,2), array("Ducati",17,15)
);

echo $motor[0][0].": Stok: ".$motor[0][1];
echo ", Terjual: ".$motor[0][2].".<br>";

echo $motor[1][0].": Stok: ".$motor[1][1];
echo ", Terjual: ".$motor[1][2].".<br>";

echo $motor[2][0].": Stok: ".$motor[2][1];
echo ", Terjual: ".$motor[2][2].".<br>";

echo $motor[3][0].": Stok: ".$motor[3][1];
echo ", Terjual: ".$motor[3][2].".<br>";
```

Try this one!


Ranking
localhost/soal/4LintangArrayTabel.php
Ranking Siswa
Nama : Ali
Nilai : 98
Nama : Fauzan
Nilai : 54
Nama : Sutisno
Nilai : 76
Ranking menurut: Nama ↓ Nama ↑ Nilai ↓ Nilai ↑
PROSES!
Fauzan 54
Sutisno 76
Ali 98

Programming Fundamental

Exploring

Purwadhika
Startup and Coding School