



• like a bucket



- like a bucket
- with a name tag



- like a bucket
- with a name tag
- good for storing things

#### variable assignment

```
<?php
output
</pre>
```

```
$sum = 1 + 2;
echo $sum.'<br>';
$sum = 4 + 5;
echo $sum.'<br>';
$sum = $sum + $sum;
```

```
<?php
```

```
$sum = 1 + 2;
echo $sum.'<br>';
$sum = 4 + 5;
echo $sum.'<br>';
$sum = $sum + $sum;
```

output

note! doesn't exist until after 1st statement!

```
<?php
```

```
$sum = 1 + 2;
echo $sum.'<br>';
$sum = 4 + 5;
echo $sum.'<br>';
$sum = $sum + $sum;
```



output

```
<?php

$sum = 1 + 2;
echo $sum.'<br>';
$sum = 4 + 5;
echo $sum.'<br>';
$sum = $sum + $sum;

$ output

3

Sum

4

Sum

5

Sum

6

Sum

6

Sum

7

Sum

8

Sum

8

Sum

9

Sum

9
```

```
<?php

$sum = 1 + 2;
echo $sum.'<br>';
$sum = 4 + 5;
echo $sum.'<br>';
$sum = $sum + $sum;

$ output

#ELLO

**NAME IS

**SUM

**
```

```
<?php
```

```
$sum = 1 + 2;
echo $sum.'<br>';
$sum = 4 + 5;
echo $sum.'<br>';
$sum = $sum + $sum;
```



#### output

3

```
<?php
```

```
$sum = 1 + 2;
echo $sum.'<br>';
$sum = 4 + 5;
echo $sum.'<br>';
$sum = $sum + $sum;
```

# HELLO MY NAME IS SUM 1;

#### output

3

```
<?php
```

```
$nPickles = 20;
$nMorePickles = 10;
$totalPickles = $nPickles + $nMorePickles;
echo $totalPickles;
```

```
<?php
```

```
$nPickles = 20;
$nMorePickles = 10;
$totalPickles = $nPickles + $nMorePickles;
echo $totalPickles;
```



```
<?php
```

```
$nPickles = 20;
$nMorePickles = 10;
$totalPickles = $nPickles + $nMorePickles;
echo $totalPickles;
```

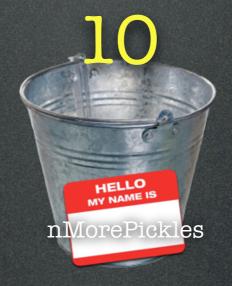


```
<?php
```

```
$nPickles = 20;
$nMorePickles = 10;
$totalPickles = $nPickles + $nMorePickles;
```

echo \$totalPickles;







# variables and function arguments

```
<?php

function add($a, $b) {
  $result = $a + $b;
  return $result;
}</pre>
```

- variable names start with \$ in php
- in Javacript, they do not

#### iteration in php

iteration