

What is a PHP Variable?

A variable in PHP is used to store data values that can be used and changed during program execution.

Rules for PHP Variables

1. Variable **must start with \$**
2. Name must start with **letter or underscore (_)**
3. Cannot start with a **number**
4. Variable names are **case-sensitive**
5. No need to declare data type

Syntax

```
$variable_name = value;
```

Examples

1. String Variable

```
<?php  
$name = "Chitaranjan";  
echo $name;  
?>
```

2. Integer Variable

```
<?php  
$age = 22;  
echo $age;  
?>
```

3. Float Variable

```
<?php  
$price = 99.50;  
echo $price;  
?>
```

4. Boolean Variable

```
<?php  
$isLogin = true;  
echo $isLogin;  
?>
```

Using Multiple Variables

```
<?php  
$a = 10;  
$b = 20;  
$sum = $a + $b;  
echo "Sum = " . $sum;  
?>
```

Variable Case Sensitivity

```
<?php  
$Name = "Ram";  
$name = "Shyam";  
  
echo $Name;  
echo $name;  
?>
```

Both are **different variables**

Variable Scope (Important)

1. Local Variable

```
<?php  
function test() {  
    $x = 10;  
    echo $x;  
}  
test();  
?>
```

2. Global Variable

```
<?php  
$x = 5;
```

```
function show() {  
    global $x;  
    echo $x;  
}  
show();  
?>
```

Static Variable

```
<?php  
function countCall() {  
    static $count = 0;  
    $count++;  
    echo $count;  
}  
countCall();  
countCall();  
?>
```