

Unit 1 ASSIGNMENT

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1. Write a PHP script (hello.php) that displays:

Source code:

```
<?php  
  
echo "Hello, World! I am learning PHP.";   
  
?>
```

Output:



2. Create a script (intro.php) that stores your name, age, and program in variables and displays:

Source code:

```
<?php  
  
$name = "Kishor Pandit";  
  
$age = 19;  
  
$program = "BCSIT";  
  
  
echo "My name is $name, I am $age years old, and I study $program.";   
  
?>
```

Output:



3. Write a program (constant.php) that defines a constant `SITE_NAME = "Pokhara University"` and prints it.

Source code:

```
<?php  
define("SITE_NAME", "Pokhara University");
```

```
echo SITE_NAME;
```

```
?>
```

Output:



4. Create a script (operators.php) to demonstrate the use of different operators in PHP:

Source code:

```
<?php
```

```
echo "<h2>Part (a): Arithmetic Operators</h2>";
```

```
$num1 = 25;
```

```
$num2 = 10;
```

```
echo "Number 1 = $num1<br>";
```

```
echo "Number 2 = $num2<br><br>";
```

```
$sum = $num1 + $num2;
```

```
echo "Sum = $sum<br>";
```

```
$diff = $num1 - $num2;
```

```
echo "Difference = $diff<br>";
```

```
$prod = $num1 * $num2;
```

```
echo "Product = $prod<br>";
```

```
if ($num2 != 0) {
```

```
    $div = $num1 / $num2;
```

```
    echo "Division = $div<br>";
```

```
} else {  
    echo "Division by zero is not allowed.<br>";  
}
```

```
if ($num2 != 0) {  
    $mod = $num1 % $num2;  
    echo "Modulus = $mod<br>";  
} else {  
    echo "Modulus by zero is not allowed.<br>";  
}
```

```
echo "<h2>Part (b): Assignment Operators</h2>";
```

```
$val = 20;  
echo "Initial value: $val<br>";
```

```
$val += 5;  
echo "After += 5 : $val<br>";
```

```
$val -= 3;
```

```
echo "After -= 3 : $val<br>";
```

```
$val *= 2;
```

```
echo "After *= 2 : $val<br>";
```

```
$val /= 4;
```

```
echo "After /= 4 : $val<br>";
```

```
$val %= 3;
```

```
echo "After %= 3 : $val<br>";
```

```
echo "<h2>Part (c): Logical Operators</h2>";
```

```
$number = 44;
```

```
echo "Number = $number<br>";
```

```
if ($number >= 1 && $number <= 100 && $number % 2 == 0) {
```

```
    echo "$number is between 1 and 100 AND even.<br>";
```

```
} else {  
    echo "$number does not satisfy both conditions.<br>";  
}
```

```
if ($number < 1 || $number > 100) {  
    echo "$number is outside the range 1–100.<br>";  
} else {  
    echo "$number is inside the range 1–100.<br>";  
}
```

```
if (!( $number % 2)) {  
    echo "$number is even (checked with ! operator).<br>";  
} else {  
    echo "$number is odd (checked with ! operator).<br>";  
}
```

?>

Output:

Part (a): Arithmetic Operators

Number 1 = 25
Number 2 = 10

Sum = 35
Difference = 15
Product = 250
Division = 2.5
Modulus = 5

Part (b): Assignment Operators

Initial value: 20
After += 5 : 25
After -= 3 : 22
After *= 2 : 44
After /= 4 : 11
After %= 3 : 2

Part (c): Logical Operators

Number = 44
44 is between 1 and 100 AND even.
44 is inside the range 1–100.
44 is even (checked with ! operator).