



Class 3

# Manipulation and Data Treatment

**BY:**

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## PARSER

### JSON

To parse data in JSON format, you need to use the following functions to return an array or an object to manipulate in PHP. Using the following:

#### DECODE

##### *Array*

```
1. $json = file_get_contents($url);  
2. $data = json_decode($json);
```

##### *Object*

```
1. $data = json_decode($json, TRUE);
```

#### ENCODE

And when you need to transform your array or object in JSON format.

##### *Array*

```
1. $json = json_encode($array);
```

##### *Object*

```
1. $json = json_encode((array)$object);
```

## STRING

### PARSE\_STR

If you need to parse a query string into variables:

```
1. parse_str("name=Igor&age=24");  
2. echo $name."<br>";  
3. echo $age;
```

### EXPLODE

We use it when we need to break a string into an array. It's necessary a parameter called "separator" where it specifies where to break the string .For example:

```
1. $str = "Privet mir. Eto prekrasnyy den'.";   
2. print_r (explode(" ", $str));  
3. // Result: Array ( [0] => Privet [1] => mir. [2] => Eto [3] => prekrasnyy [4]   
=> den'. )
```

## IMPLode

We use it when we need to join an array into a string. It's necessary a parameter called "glue" where it specifies the string to join.

For example:

```
1. $arr = array('Hello', 'World!', 'Beautiful', 'Day!');
2. echo implode(" ", $arr);
3. // Result: Hello World! Beautiful Day!
```

## STR\_REPLACE

We use it when we need to replace some characters with some other characters in a string.

For example:

```
1. echo str_replace("world", "Igor", "Hello world!");
2. // Result: Hello Igor!
```

## STRLEN

We use it when we need to get string length.

For example:

```
1. $str = 'abcdef';
2. echo strlen($str); // 6
3.
4. $str = ' ab cd ';
5. echo strlen($str); // 7
```

## TRIM

When we need to remove whitespace or other predefined characters from both sides of a string.

For example:

```
1. $str = "Hello World!";
2. echo $str . "<br>"; //Hello World!
3. echo trim($str, "Hed!"); //llo Worl
```

Or:

```
1. $str = " Hello World! ";
2. echo "Without trim: " . $str;
3. echo "<br>";
4. echo "With trim: " . trim($str);
5. // Result
6. // Without trim: Hello World!
7. // With trim: Hello World!
```