

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
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!