Exercises Build In Functions

Exercise 1: Sorting array
Create a array 'NUMBERS' and use a build in function that sorts an array in descending (Use this link for all the array functions in php).

```php
$numbers = array("Milk" => 2, "Cheese" => 4, "7-up" => 3);

arsort($numbers);

print_r($numbers);
```

Exercise 2: Birthday countdown
Create a simple 'birthday countdown' script that counts the number of days between current day and your birthday (Use this link for all the date time functions in php).

```php
$targetDays = mktime(0, 0, 0, 07, 19, 2020);

$today = time();

$differenceDays = ($targetDays - $today);

$days = (int)($differenceDays / 86400);

echo "Days till next birthday: " . $days . " days!";
```

Exercise 3: Generating random float numbers
Create a random number function 'randNumber' that generated random float numbers (not integers). (Use this link for all the rand() functions in php).

```php
$randNumber = rand(0, 100) / 10;

echo $randNumber;
```

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Exercise 4: Lowercase check

Create a variable 'str' with a long piece of text and create a function 'lowercaseCheck' that converts the string to all lowercase. Echo out the text with lower case (Use this link for all the date time functions in php).

```php
$str = "My name is Dary, I'm 24 years old and I live in The Netherlands. I'm getting old. I like
    php; it's a programming language.";

function lowercaseCheck ($str) {
    echo strtolower($str);
}

lowercaseCheck($str);
```

Exercise 5: Search inside of a text

Create a variable with a long piece of text and create a function 'searchText' that has 2 parameters: 'str' and 'punctuation'. Find out the amount of punctuations, inside of the string. This method has no return value.

Expected output ->   ('The text has 'punctuation' punctuations.')

```php
$str = "My name is Dary, I'm 24 years old and I live in The Netherlands. I'm getting old. I like
    php; it's a programming language.";

$punctuation = 0;

function searchText ($str, $punctuation) {
    for ($i=0; $i < strlen($str); $i++) {
        if ($str[$i] == ".") {
            $punctuation++;
        }
    }

    echo "The text has " . $punctuation . " punctuations. ";
}

searchText($str, $punctuation);
```

Exercise 6: Lowest and highest values

Create an array 'onlyNumbers' that has an integer values inside of it. Use the min and max function in order to get the highest and lowest value in an array.

Expected output ->   ('The lowest value is 'min' and the highest value is 'max")

```php
$onlyNumbers = array(8, 6, 5, 4, 4, 33, 44, 56);

echo "the lowest value is " . min($onlyNumbers) . " and the highest value is " . max($onlyNumbers);
```

Exercise 7: String repeat

Create a variable 'str' and repeat is 8 times with a function.

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```php
$str = "My name is Dary";

echo str_repeat($str, 8);
```

```php
$str = "My name is Dary";

echo str_repeat($str, 8);
```