**PHP Assessment Doc**

***Version 1.1***

**Revision Details**

|  |  |  |  |
| --- | --- | --- | --- |
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## 

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## 

Methods

## 1. Question 1

Returns the integer value that is closest to zero from a given array

## Method Name

|  |
| --- |
| **Method** |
| closestToZero |

|  |
| --- |
| **Parameter** |
| Array \* |

(\*) Mandatory Properties

**This Function separates the negatives from the positives.  
If there is a positive and negative that are equally close to zero, then the positive value will be returned.**

## 1.2. Response

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| Success | bool | Success of method |
| Message | string | Success/error message |
| Result | integer | Result of method |

## 2. Question 2

Sum, While and Recursion Loops

## 2.1.1 Request

|  |
| --- |
| **Method** |
| **SumLoop** |

|  |
| --- |
| **Parameter** |
| Array \* |

(\*) Mandatory Properties

**This method loops through the given array of integers using a for loop, sums the values, and returns the result.**

## 2.1.2 Response

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| Success | bool | Success of method |
| Message | string | Success/error message |
| Result | integer | Result of method |

## 2.2.1 Request

|  |
| --- |
| **Method** |
| **WhileLoop** |

|  |
| --- |
| **Parameter** |
| Array \* |

(\*) Mandatory Properties

**This method loops through the given array of integers using a while loop, sums the values, and returns the result.**

## 2.2.2 Response

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| Success | bool | Success of method |
| Message | string | Success/error message |
| Result | integer | Result of method |

## 2.3.1 Request

|  |
| --- |
| **Method** |
| **RecusrionLoop** |

|  |
| --- |
| **Parameter** |
| Array \* |

(\*) Mandatory Properties

**This method loops through the given array of integers using recursion, sums the values, and returns the result.**

## 2.3.2 Response

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| Success | bool | Success of method |
| Message | string | Success/error message |
| Result | integer | Result of method |

## 3. Question 3

Combine Arrays

## 3.1 Request

|  |
| --- |
| **Method** |
| **combineArrays** |

|  |
| --- |
| **Parameter** |
| Array \* |

(\*) Mandatory Properties

**This method combines two given arrays by alternatively taking elements.**

## 3.2 Response

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| Success | bool | Success of method |
| Message | string | Success/error message |
| Result | array | Result of method |

## 4. Question 4

Returns a list of the first 100 Fibonacci numbers

## 4.1 Request

|  |
| --- |
| **Method** |
| **fibonacciNumbers** |

|  |
| --- |
| **Parameter** |
| Integer \* |

(\*) Mandatory Properties

**This method Returns a list of the first 100 Fibonacci numbers**

## 4.2 Response

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| Success | bool | Success of method |
| Message | string | Success/error message |
| Result | array | Result of method |

## 5. Question 5

Lowest absolute sum of numbers

## 5.1 Request

|  |
| --- |
| **Method** |
| **sumNumbers** |

|  |
| --- |
| **Parameter** |
| Array \* |

(\*) Mandatory Properties

**This method Returns the lowest absolute sum of numbers from the given array**

## 5.2 Response

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| Success | bool | Success of method |
| Message | string | Success/error message |
| Result | integer | Result of method |

## 6. Question 6

Equal to 1 hundred

## 6.1 Request

|  |
| --- |
| **Method** |
| **returnEqualtoHundred** |

|  |
| --- |
| **Parameter** |
| none |

(\*) Mandatory Properties

**The function returns an array of all possibilities to put + or – or nothing between the numbers 1-9 in ascending order so that it results to 100.**

## 6.2 Response

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| Success | bool | Success of method |
| Message | string | Success/error message |
| Result | array | Result of method |