# More Exercises: Basic Syntax, Conditional Statements, and Loops

Problems for exercise and homework for the ["JS Fundamentals" Course @ SoftUni.](https://softuni.bg/trainings/4382/programming-fundamentals-with-javascript-january-2024)   
Submit your solutions in the SoftUni judge system at: <https://judge.softuni.org/Contests/1469>

## Sort Numbers

Receive three numbers and you have to **sort** them in **descending order**. Print each number on a **new line**.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 2  1  3 | 3  2  1 |
| -2  1  3 | 3  1  -2 |
| 0  0  2 | 2  0  0 |

## English Name of the Last Digit

Write a **function** that returns the **English name** of the last digit of a given number. Write a program that receives a number and prints the returned value from this function.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 512 | two |
| 1 | one |
| 1643 | three |

## Next Day

Write a JS function that calculates the **date** of the **next day** by given year, month, and day.

The **input** comes as three number parameters. The first element is the year, the second is the month and the third is the day.

The **output** should be returned as a result of your function.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 2016, 9, 30 | 2016-10-1 |
| 2020, 3, 24 | 2020-3-25 |

### Hints

* Use **Date()**

## Reverse String

Write a program that reverses a string and prints it on the console.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Hello | olleH |
| SoftUni | inUtfoS |
| 1234 | 4321 |

1. **Distance Between Points**

Write a JS function that calculates the distance between two points by given x and y coordinates.

The **input** comes as four number elements in the format **x1, y1, x2, y2**. Each pair of elements are the coordinates of a point in 2D space.

The **output** should be returned as a result of your function.

**Examples**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 2, 4, 5, 0 | 5 |

|  |  |
| --- | --- |
| **Input** | **Output** |
| 2.34, 15.66, -13.55, -2.9985 | 24.50778901186315 |