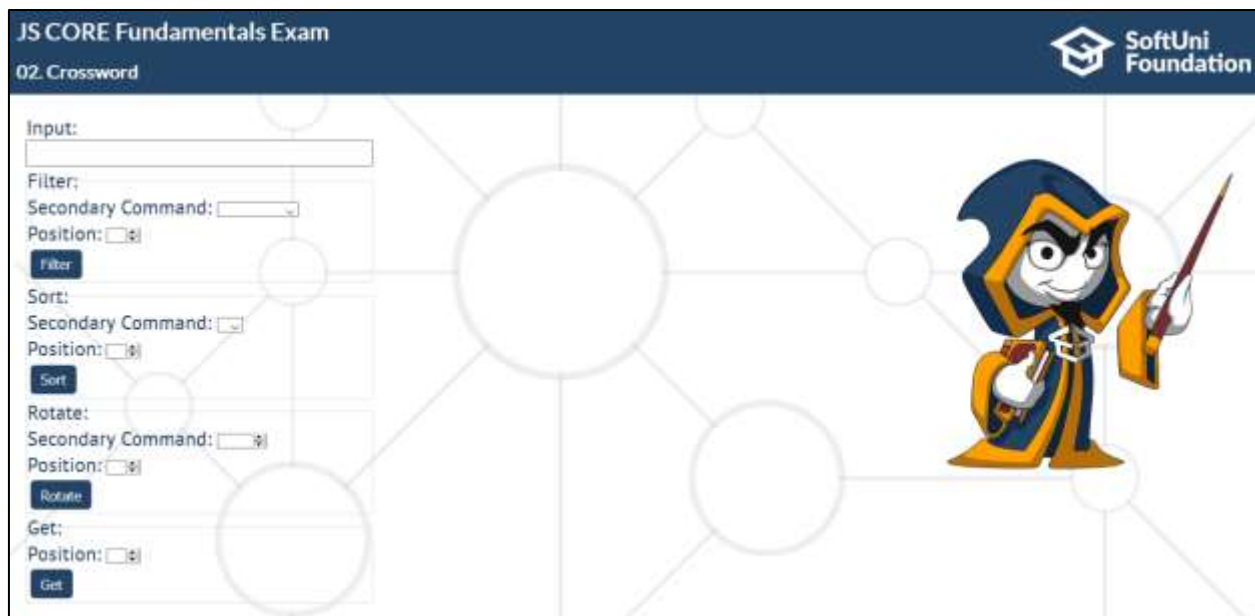


JS Fundamentals: Test Exam

This is a test exam for course [JavaScript Fundamentals](#) at SoftUni.

Problem 2. Crossword



The screenshot shows the 'JS CORE Fundamentals Exam' interface for '02. Crossword'. On the left, there are four command groups: 'Filter', 'Sort', 'Rotate', and 'Get'. Each group has a 'Secondary Command' dropdown, a 'Position' input field, and a corresponding button. On the right, there is a cartoon character of a wizard or mage holding a staff. The background features a faint grid of circles and lines.

You will receive a **string** into **Input field**. After that one of the main commands properties will be filled with certain information.

Here are all the possible commands and secondary commands:

- **filter**
 - **UPPERCASE** – filter all the uppercase letters then take the character at the given position
 - **LOWERCASE** – filter all the lowercase letters then take the character at the given position
 - **NUMS** – filter all the digits and take the digit at the given position
- **sort**
 - **A** – sort all the characters alphabetically and then take the character at the given position
 - **Z** – sort all the characters alphabetically in descending order and take the character at the given position
- **rotate**
 - The secondary command will be a number representing how many times to rotate the string (rotation means that the last element becomes first) – when it's done, take the character at the given position

- **get**
 - Just get the character at the given position (in this case there is no secondary command)

NOTE: consider the position as a position, not an index

When a **button** from a main command **fieldset** is **clicked**, the result from that command must be **appended** to the paragraph into div element with **id "output"**.

Example

Input	Output
Input string: AkIoRpSwOzFdT Main command: Filter -> UPPERCASE 4 -- Input string: AOB Main command: Sort -> A 3 -- Input string: FAILCL Main command: Sort -> A 3 -- Input string: OUTAGN Main command: Sort -> Z 2 -- Input string: 01S345U7N Main command: Filter -> UPPERCASE 2 -- Input string: DAN Main command: Rotate -> 2 2 -- Input string: PING Main command: Get -> 2 -- Input string: ?- 654 Main command: Get -> 3	"SOFTUNI "

02. Crossword

Input:

Filter:

Secondary Command: Position:

Sort:

Secondary Command: Position:

Rotate:

Secondary Command: Position:

Get:

Position:

SOFTUNI

