# JS Advanced: Regular Exam - 26.10.19

Exam problems for the ["JavaScript Advanced" course @ SoftUni](https://softuni.bg/courses/js-advanced). Submit your solutions in the SoftUni Judge system at [https://judge.softuni.bg/Contests/Compete/Index/](https://judge.softuni.bg/Contests/Compete/Index/1850#2).

# Problem 3. Blog Platform

**class** BlogPlatform {  
 *//* ***TODO: implement this class...***  
}

### Your Task

### Write a BlogPlatform class, which supports the described functionality below.

### Functionality

#### constructor(name, data)

Should have these **2** properties:

* **Name - string**
* **data - string**

#### getUserArticles(username)

This **function** should print all **public** articles from a given user in the following format:

**"{username}**

**---- {title1}: {content}**

**---- {title2}: {content}**

**---- {title3}: {content}**

**..."**

* If there is no registered user with that username, an **error** with the following message should be thrown:

**"Invalid username!"**

#### changeArticle(username, password, title, content)

This **function** should **change** the content of an article with a given title and return it.

* If there is no registered user with that username or the password is incorrect, an error with the following message should be thrown:

**"Incorrect username or password!"**

* If the article with this title is private and the user is creator of the article, an error with the given message should be thrown:

#### "You can not change this article!"

* If the content is changes successfully, you should return the article

#### deleteArticle(username, password, title)

This function should delete an article with a given title

* If there is no registered user with that username or the password is incorrect, an error with the following message should be thrown:

**"Incorrect username or password!"**

* If there is no article with that title, an error with the following message should be thrown

#### "There is no such article!"

* If an article is deleted successfully, the following message should be returned:

#### "Article deleted successfully!"

#### printArticles(sortingType)

This function should print all public articles, sorted by **username** or by **number of articles per user in descending order** in the following format:

**"{username}**

**---- {title1}: {content}**

**---- {title2}: {content}**

**---- {title3}: {content}**

**{username2}**

**---- {title1}: {content}**

**---- {title2}: {content}**

**---- {title3}: {content}**

**{username3}**

**---- "No public articles yet!**

**..."**

* If a user, didn't create any articles yet, the following message should be displayed:

**"No public articles yet!"**

#### Note: For more information see the examples below and the data.json file

### Submission

Submit only your **BlogPlatform class.**

### Examples

This is an example how the code is **intended to be used**:

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| Sample code usage |
| let **data** = require('./data.json');  let blog = new BlogPlatform("SoftUni Blogs", data);  console.log("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sorted by username\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")  console.log(blog.printArticles("username"));  console.log("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sorted by articles\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")  console.log(blog.printArticles("articles")) |
| Corresponding output |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sorted by username\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Ally:  ---- Arrays: Lorem ipsum dolor sit amet, consectetur adipiscing elit.  ---- Objects: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod.  Harry:  ---- My first blog: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam.  ---- How I started programming?: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor.  ---- What is JavaScript: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sorted by articles\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Harry:  ---- My first blog: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam.  ---- How I started programming?: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor.  ---- What is JavaScript: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.  Ally:  ---- Arrays: Lorem ipsum dolor sit amet, consectetur adipiscing elit.  ---- Objects: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod. |

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| Sample code usage |
| let **data** = require('./data.json');  let blog = new BlogPlatform("SoftUni Blogs", **data**);  console.log(blog.getUserArticles("Harry"));  console.log("\_".repeat(50));  console.log(blog.deleteArticle("Harry","h\_123","How I started programming?"));  console.log("\_".repeat(50));  console.log(blog.getUserArticles("Harry")); |
| Corresponding output |
| Harry  ---- How I started programming?: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor.  ---- What is JavaScript: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Article deleted successfully!  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Harry  ---- What is JavaScript: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. |

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| Sample code usage |
| let **data** = require('./data.json');  let blog = new BlogPlatform("SoftUni Blogs", **data**);  console.log(blog.getUserArticles("Ally"));  console.log()  blog.changeArticle("Harry", "h\_123", "Arrays", "The arrays in JavaScript are actually objects");  console.log(blog.getUserArticles("Ally ")); |
| Corresponding output |
| Ally  ---- Arrays: Lorem ipsum dolor sit amet, consectetur adipiscing elit.  ---- Objects: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod.  Ally  ---- Arrays: The arrays in JavaScript are actually objects  ---- Objects: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod. |

*GOOD LUCK!😊*