

## Course

### JavaScript Programming Language and jQuery

#### Module 2

TOPIC: OBJECT. ARRAYS. ARRAY OBJECT. STRINGS.  
STRING OBJECT. DATE OBJECT. MATH OBJECT.  
INTRODUCTION TO OOP

#### Task 1

Implement the PrintMachine class, which consists of:

- font size;
- font color;
- font family;
- print() method, which takes text and prints it with the appropriate font using document.write().

Create an object of this class and demonstrate the work of the method.

#### Task 2

Implement a class that describes the news (title, text, tag array, publication date). In the class, implement one print method that outputs all the information as follows:

##### **What is Lorem Ipsum?**

2 days ago

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

#lorem #ipsum #text

**Notice** how date is displayed:

- if less than a day has passed since the publication date, then "today" is output;
- if less than a week has passed since the publication date, then "N days ago";
- in other cases, full date is output as follows: "dd.mm.yyyy".

## Task 2

Implement a class that describes the news feed.

The class must contain:

- array of news;
- **get** property, which returns the amount of news;
- method for displaying all news;
- method for adding news;
- method for deleting news;
- method for sorting news by date (from the latest news to old ones);
- method to search for news by tag (returns an array of news in which the tag passed to the method is specified).

Demonstrate the work of the written methods.