

YELLOWMEDIA



Part 1

Task 1

Write a function that find the most frequent character in a string (case insensitive)

Task 2

Create simple HTML form with text field and buttons "Set" and "Clear". On submit form set item to local storage with key "num23" and value from the text field. On click "Clear" button clean up text field and delete item "num23" from local storage. On page load get item "num23" from local storage, create paragraph element, set according value into paragraph, and insert it before form. Paint paragraph in red if item value is odd and in green if item value is even.

Text field should accept only numbers.

Form should not be submitted if the field value is empty.

Disable "Set" button if the field value is empty.

Task 3

Write script that will parse query params from url and transform it into object with according key and value.

URL example:

`http://localhost:63342/test/index.html?em=world&ew=book`

Object example:

```
{
  "em" : "world",
  "ew" : "book"
}
```

Task 4

Write script that displays a list of products from server response data.

Request URL: <http://54.39.188.42/>

Request method: GET

Server returns encoded JSON string in base64

An example of result

1
Awesome product #1
ROCAMTH



PRODUCT OPTIONS:

Metal type: Gold
Metal color: Rose
Stone shape: Octagon
Gemstone color: Amethyst

999.00 \$

2
Awesome product #2
ROCMRGN



PRODUCT OPTIONS:

Metal type: Gold
Metal color: Rose
Stone shape: Octagon
Gemstone color: Morganite

888.00 \$