

Exam Prep: DOM Manipulations

Encode and Decode Messages

In this problem, you should **create a JS functionality** which **encodes and decodes some messages which travel to the network**.

Message

Write your message here...

Encode and send it

Last received message

No messages...

Decode and read it

This program should contain **two functionalities**.

The first one is to **encode the given message** and **send it** to the **receiver**.

The second one is to **decode the received message** and **read it (display it)**.

When the [**Encode and send it**] **button** is clicked, you should get the given message from the first textarea.

When you get the current message, you should encode it as follows:

- **Change the ASCII CODE on every single character** in that message when you **add 1** to the current **ASCII NUMBER**, that represent the current character in that message
- **Clear the sender textarea** and **append** the encoded message to the **receiver textarea**

Message

The password for my bank account is 123pass321

Encode and send it

Last received message

No messages...

Decode and read it

After clicking [**Encode and send it**] button the result should be:

Message

Write your message here...

Encode and send it

Last received message

Uif!qbttxpse!gps!nz!cbo!bddpvou!jt!234qbt432

Decode and read it

After that, when the [**Decode and read it**] button is clicked. You need to get the **encoded message** from the **receiver textarea** and do the **opposite logic** from encoding:

- **Subtract 1** from the current **ASCII NUMBER**, that represents the current character in that message
- Replace the **encoded message** with the already **decoded message** in the receiver textrea, to make it readable

Message

Write your message here...

Encode and send it

Last received message

The password for my bank account is 123pass321

Decode and read it

What to submit?

Zip file containing the following:

- app.js
- template.css
- template.html

File Name: ENCODE-AND-DECODE-MESSAGES.zip