JS Advanced Exam

Problem 1. Car Dealers

Environment Specifics

Please, be aware that every JS environment may **behave differently** when executing code. Certain things that work in the browser are not supported in **Node.js**, which is the environment used by **Judge**.
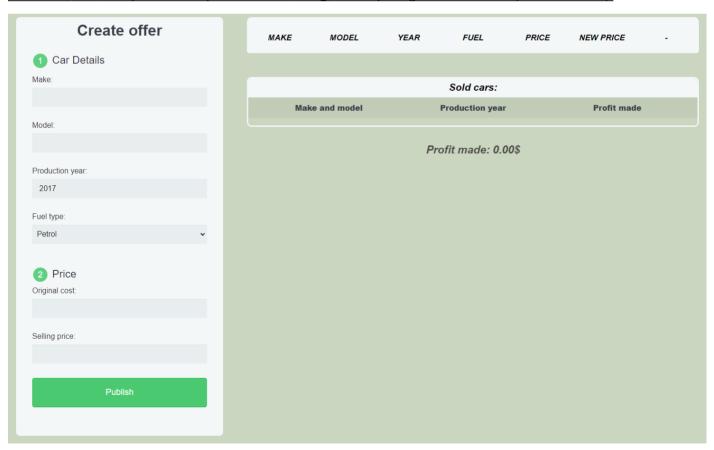
The following actions are **NOT** supported:

- `.forEach()` with **NodeList** (returned by `querySelector()` and `querySelectorAll()`)
- `.forEach()` with **HTMLCollection** (returned by `getElementsByClassName()` and `element.children`)
- Using the **spread-operator** (`...`) to convert a **NodeList** into an array
- `append()` in Judge (use only `appendChild()`)
- `replaceWith()` in Judge
- `replaceChildren()` in Judge
- `replaceAll()` in Judge
- `closest()` in Judge

If you want to perform these operations, you may use `Array.from()` to first convert the collection into an array.

Use the provided skeleton to solve this problem.

Note: You **can't** and you have no permission to **change** directly the given HTML code (index.html file).

Your Task

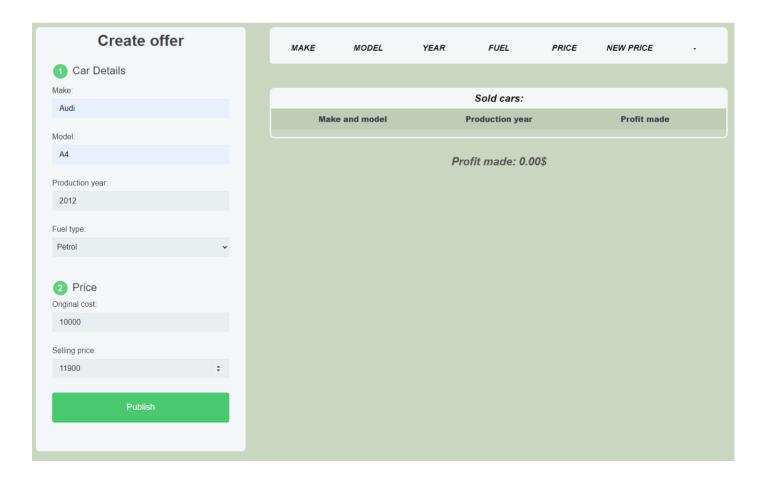**Write the missing JavaScript code** to make the **Car Dealer** work as expected:

All fields **(make, model, year, fuel, original-cost** and **selling-price)** are **filled with the correct input** and **selling price** should have bigger value than **original price**
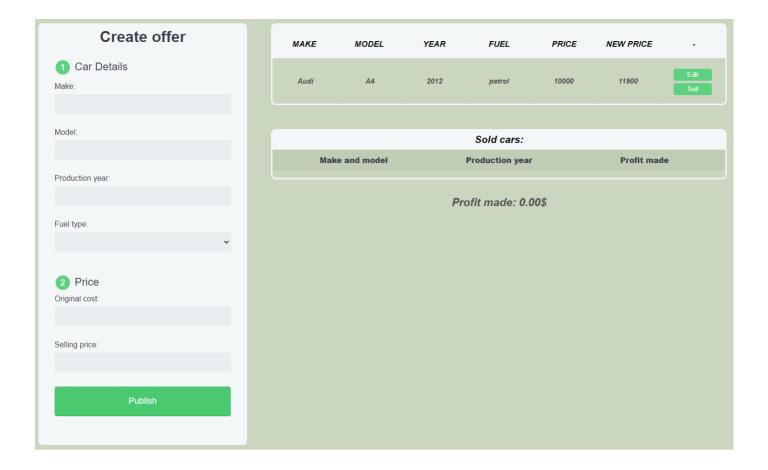
- Make, model, year, fuel, original-cost and **selling price** are **non-empty strings**. If any of them are empty, or **original price** is bigger than **selling price** the program should not do anything.

1. Getting the information from the form

When you click the **["Publish"] button,** the information from the input fields must be added to the **tbody** with the **id "table-body"**. Then, clear all input fields.
The HTML structure looks like this:

```html
<tbody id="table-body">
    <tr class="row">
        <td>Audi</td>
        <td>A4</td>
        <td>2012</td>
        <td>petrol</td>
        <td>10000</td>
        <td>11900</td>
        <td>
            <button class="action-btn edit">Edit</button>
            <button class="action-btn sell">Sell</button>
        </td>
    </tr>
</tbody>
```

Create offer

1 Car Details

Make:

Audi

Model:

A4

Production year:

2012

Fuel type:

Petrol

2 Price

Original cost:

10000

Selling price:

11900

Publish

MAKE	MODEL	YEAR	FUEL	PRICE	NEW PRICE	-

Sold cars:		
Make and model	Production year	Profit made

Profit made: 0.00$

Create offer

1 Car Details

Make:

Model:

Production year:

Fuel type:

2 Price

Original cost:

Selling price:

Publish

MAKE	MODEL	YEAR	FUEL	PRICE	NEW PRICE	-
Audi	A4	2012	petrol	10000	11900	Edit Sell

Sold cars:		
Make and model	Production year	Profit made

Profit made: 0.00$
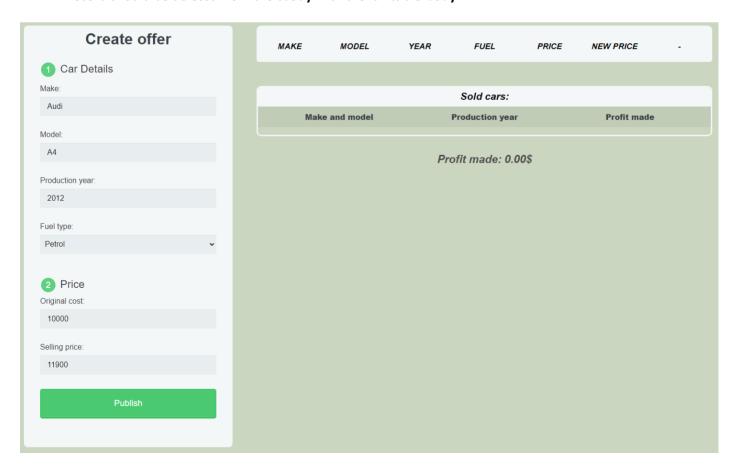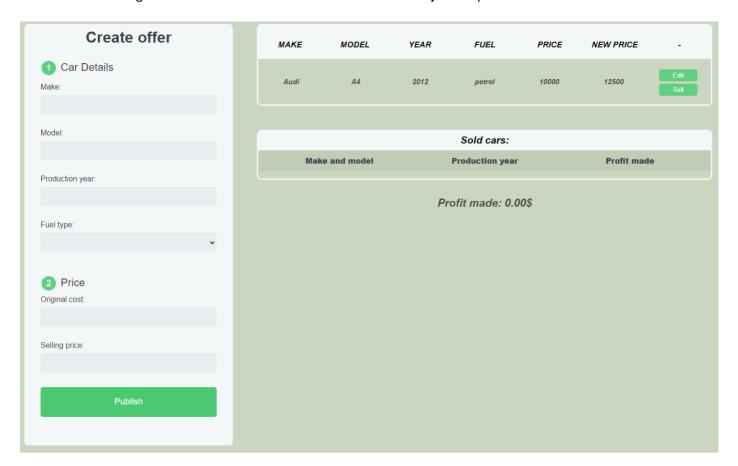
2. Edit information for posts

When the **["Edit"]** button is clicked, the information from the post must be sent to the input fields and the record should be deleted from the **tbody** with the **id "table-body"**.

Create offer

1 Car Details

Make:

Audi

Model:

A4

Production year:

2012

Fuel type:

Petrol

2 Price

Original cost:

10000

Selling price:

11900

Publish

MAKE	MODEL	YEAR	FUEL	PRICE	NEW PRICE	-

Sold cars:		
Make and model	Production year	Profit made

Profit made: 0.00$

After editing the information make a new record to the **tbody** with updated information.
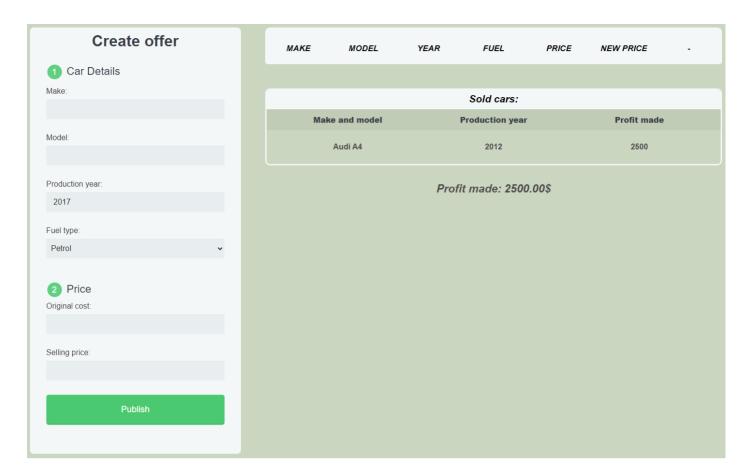

3. Sell car

When you click the **["Sell"]** button, the record must be **deleted** from the **tbody** with **id "table-body"** and a new record must be appended to the **ul** with the **id "cars-list"**

The new record should be as the following:

- First span should include both car **Make** and **Model** as whole string and separated by a single space
- Second span should include the **Production year**
- Third span should include the **difference** between the **Selling price** and **Original price**

```
<ul id="cars-list">
  <li class="each-list">
    <span>Audi A4</span>
    <span>2012</span>
    <span>2500</span>
  </li>
</ul>
```

Total profit made will be the **sum** from all sold cars profits which should be **rounded** to the **second digit** after the decimal point and should be displayed in **strong** with **id "profit"**

MAKE	MODEL	YEAR	FUEL	PRICE	NEW PRICE	-

Create offer

① Car Details

Make:

Model:

Production year:
2017

Fuel type:
Petrol

② Price
Original cost:

Selling price:

Publish

Sold cars:		
Make and model	**Production year**	**Profit made**
Audi A4	2012	2500

Profit made: 2500.00$

Submission

Submit only your **solve()** function.

GOOD LUCK… ☺