College of Computer and Information Sciences
Department of Information Technology
IT 312 - Web Applications Engineering

Week 8: JavaScript, DOM and Forms

Objectives:

This week's lab will help you to:

1. Dealing with arrays.
2. Understand how to write JavaScript functions.
3. Understand how the JavaScript can use Form data.
4. Change style properties for an html page by using DOM.

Part 1: Dealing with arrays:

Modify Home page and create a new JS file **script.js** to do the following:

1. When a user loads index page, call a function named **yourname**. Define this function to have an array of strings:
   var names = ["sara", "reem"];
2. The function asks the user about his name by a prompt message.
3. Check the array; if the name is not in the array, push the new name in your array.
4. Print all names by using alert message.

Part 2: Access form data using JavaScript

Modify contactus page and use the same JS file script.js to do the following:

First: When a user loads contactus page, call a function named **colorSecH2**. Define this function to change the colour of the second H2 to cyan.

Second: In the form page, make sure that you have the following in your code:

1. Id for your form.

2. Modify submit button in your form; use onclick property to call java script function that we will create later in this tutorial. After onclick property add the following statement: return false; which prevents from submitting itself.

   Your button syntax will be as following:

   ```
   <input type="submit" onclick="func(); return false;"/>
   ```

3. Assign id to legend element in your form

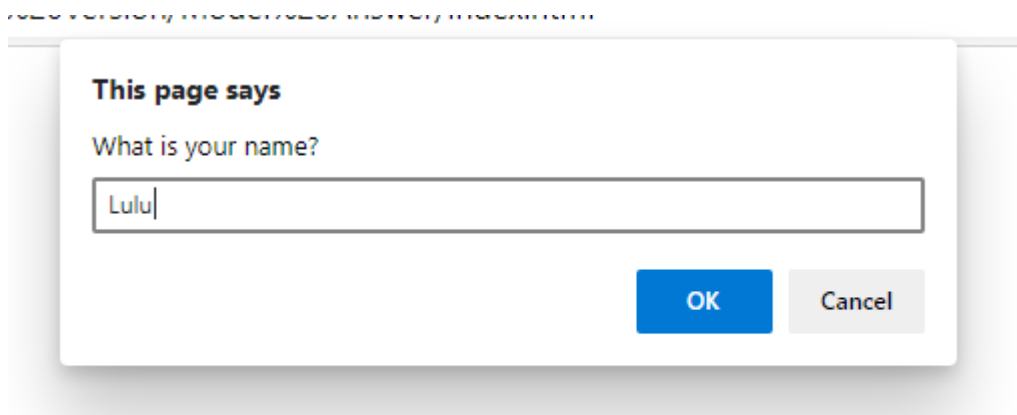**Then, in your java script file, write functions that does the following:**

A. *Print Form information in alert:*
1. Get all form elements values by using DOM methods.
2. Print these elements' values by using alert message.

B. *Change form style based on the gender type:*
1. Change **background colou**r of the *legend* to pink if a user chose gender as female and change it to blue if a user choose gender as male (by using DOM style properties).
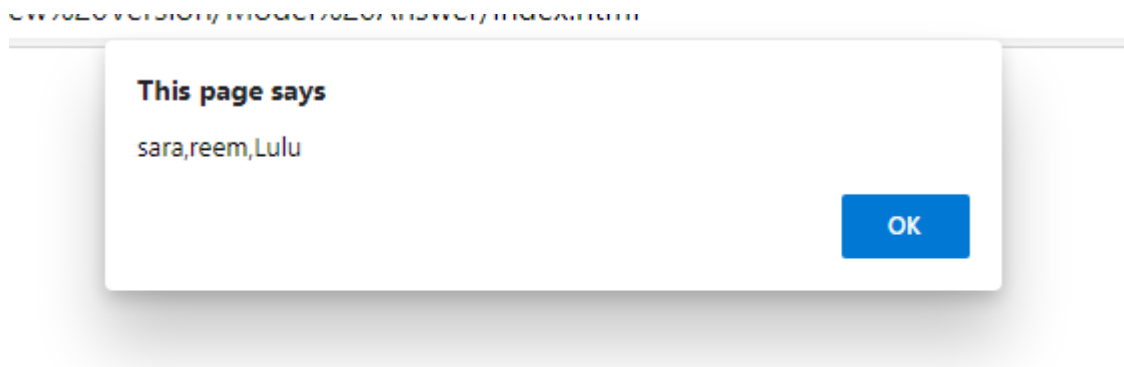
Part1 Output:

Part 2 Output A:

Send your message:

Our team is happy to answer your questions. Plea[...]ch as soon as possible

┌─ Patient Information ──┐

This page says
Name: Ahmed
LastName:alrashed
Phone: 50555421
email: 11111@mail.com
Birth Date:2000-02-11
Gender:male
Target Department:AE
 Type of message: RqstCall Join
 Message:please add me to the mailing list

OK

First name: `Ahmed`

Last name: `alrashed`

Gender: ● Male ○ Female

Birthdate: `02/11/2000`

Email: `11111@mail.com`

Telephone: `50555421`

Choose your target department: `Accident and emergency (A&E)` ◉

Select the type of your message:

☐ Complaining

☑ Requesting a call

☑ Joining the mailing list

☐ Other `_____`

Message:

```
please add me to the mailing list
```

[Review] **[Submit]** [Reset]

Part 2 Output B:

Send your message:

Our team is happy to answer your questions. Please fill out the below form and we'll be in touch as soon as possible

┌─ Patient Information ──┐

First name: `_____`

Last name: `_____`

Gender: ● Male ○ Female

Birthdate: `ﻲﻨﺳ/ﺮﻬﺷ/ﻡﻮﻳ` 🗓

Email: `_____`

Telephone: `09665xxxxxxxx`

Choose your target department: `Accident and emergency (A&E)` ⌄

Select the type of your message:

☐ Complaining

☐ Requesting a call

☐ Joining the mailing list

☐ Other `_____`

Message:

```
Type your message here please!
```

[Review] [إرسال] [Reset]

Send your message:

Our team is happy to answer your questions. Please fill out the below form and we'll be in touch as soon as possible

Patient Information

First name: [   ]

Last name: [   ]

Gender: ○ Male   ● Female

Birthdate: [📅 سنة/شهر/يوم]

Email: [   ]

Telephone: [09665xxxxxxxx]

Choose your target department: [Accident and emergency (A&E) ▾]

Select the type of your message:

☐ Complaining

☐ Requesting a call

☐ Joining the mailing list

☐ Other [   ]

Message:

[Type your message here please!   ]

[Review] [إرسال] [Reset]