**[IS113] Extra Exercises - Week 4 - Form Processing**

**Resource Download**

* To download the **resource files**, go to: <https://bit.ly/2WA9C7l>
* You will see SIX (6) folders (**hello**, **fruits, kpop, login, asterisk, like**).
  + Download & place the folders inside **<web root>/is113/extra4/** on your local computer.
  + You should be able to see the following directory/file structure on your local computer:

o **<web root>/is113/extra4/**:

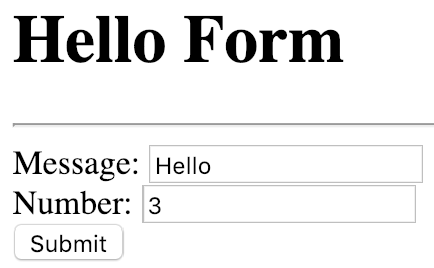
* hello/ (folder)
  + hello.html (file)
  + sent.php (file)
* fruits/ (folder)
  + images/ (folder)
  + fruit.html (file)
  + sent.php (file)
* kpop/ (folder)
  + images/ (folder)
  + kpop.html (file)
  + sent.php (file)
* login/ (folder)
  + login.html (file)
  + sent.php (file)
* asterisk/ (folder)
  + ex1.html (file)
  + ex1.php (file)
  + ex2.html (file)
  + ex2.php (file)
* like/ (folder)
  + like.php (file)

**NOTE:** If you spot any mistakes/errors in the questions, please contact Kyong at [kjshim@smu.edu.sg](mailto:kjshim@smu.edu.sg).

**Question 1 - Hello**

Go to **<web root>/is113/extra4/hello/.** Complete the following **Parts A** and **B** inside **sent.php** file.

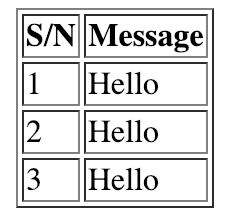
**hello.html** page has TWO form input fields (TEXT).



**Part A (\*)**

Complete **sent.php** file so that it takes the **Message** and prints it **Number** number of times.

Given the above input, **sent.php** page displays the following **HTML Table**.



**Part B (\*\*)**

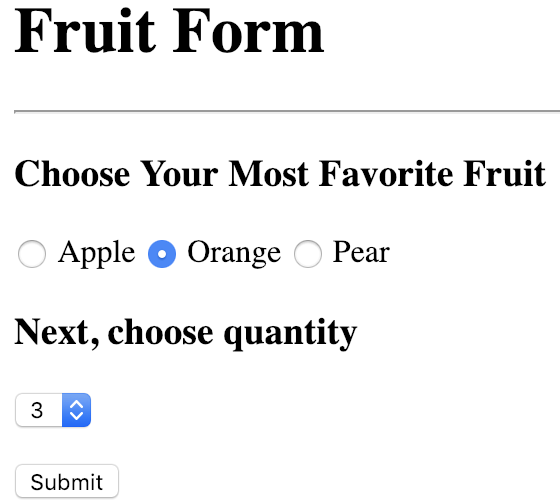
Modify **sent.php** file so that it performs **Form Input Validation**.

|  |  |
| --- | --- |
| **hello.html** | **sent.php** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Question 2 - Fruits**

Go to **<web root>/is113/extra4/fruits/.** Complete the following **Parts A** and **B** inside **sent.php** file.

**fruit.html** page allows the user to select a **fruit** and **quantity**.



**Part A (\*)**

Complete **sent.php** file so that it takes the **fruit’s name** (e.g. “orange”) and displays the selected fruit’s image file **Quantity** number of times. Given the above input, **sent.php** page displays the following:



The image files are located in **/is113/extra4/fruits/images/**.

**Part B (\*\*)**

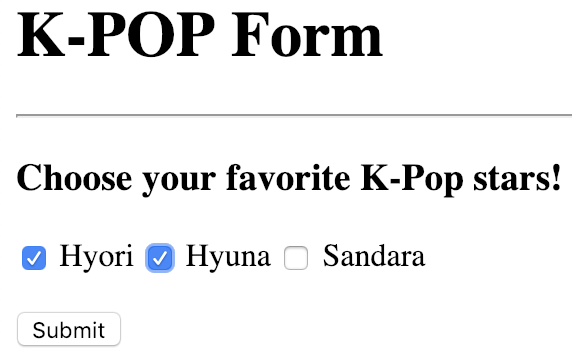
Modify **sent.php** file so that it performs **Form Input Validation**.

|  |  |
| --- | --- |
| **fruit.html** | **sent.php** |
|  |  |
|  |  |
|  |  |

**Question 3 - K-Pop**

Go to **<web root>/is113/extra4/kpop/.** Complete the following **Parts A** and **B** inside **sent.php** file.

**kpop.html** page allows the user to select K-Pop celebrity names.



**Part A (\*)**

Complete **sent.php** file so that it takes the user input (celebrity names) and displays their images. Given the above input, **sent.php** page displays the following:



The image files are located in **/is113/extra4/kpop/images/**.

**Part B (\*\*)**

Modify **sent.php** file so that it performs **Form Input Validation**.

|  |  |
| --- | --- |
| **kpop.html** | **sent.php** |
|  |  |
|  |  |
|  |  |
|  |  |

**Question 4 - Login**

Go to **<web root>/is113/extra4/login/.** Complete **Part A** below.

**login.html** page allows the user to key in **username**, **password** and retype the password (**confirm password**).



**Part A (\*\*)**

Page **sent.php** is **broken**. Fix the code so that it performs **Form Input Validation** as shown below:

|  |  |
| --- | --- |
| **login.html** | **sent.php** |
| Password: trump123  Confirm Password: trump123 |  |
| Password: trump123  Confirm Password: trump123 |  |
| Password: trump123  Confirm Password: abcdefgh |  |
| Password: <empty>  Confirm Password: <empty> |  |
| Password: trump123  Confirm Password: <empty> |  |
| Password: trump123  Confirm Password: trump123 |  |

**Question 5 - Asterisk**

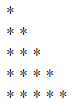
Go to **<web root>/is113/extra4/asterisk/.** Complete the following **Parts A** and **B**.

Both pages **ex1.html** and **ex2.html** have ONE form input field (TEXT).



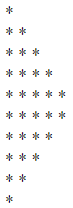
**Part A (\*\*)**

Complete **ex1.php** file so that it takes the **Num** (Integer value) and prints **Num** lines of one or more asterisks. Given the above input **5**, it prints ONE line of 1 asterisk, ONE line of 2 asterisks, ONE line of 3 asterisks, ONE line of 4 asterisks and ONE last line of **5** asterisks. Given the input of ZERO **Num**, **ex1.php** would not print anything.



**Part B (\*\*)**

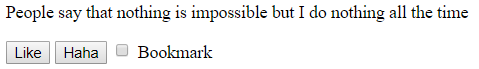
Complete **ex2.php** file so that it takes the **Num** (Integer value) and prints **Num** lines of one or more asterisks. Given the above input **5**, it is to print the following shape. Given the input of ZERO **Num**, **ex2.php** would not print anything.



**Question 6 - Like**

Go to **<web root>/is113/extra4/like/.** Complete the following **Part A**.

Page **like.php** has TWO (2) submit buttons and ONE checkbox.



**Part A (\*\*)**

Complete **like.php** file so that the following are performed:

1. The **FORM** inside **like.php** submits back to this same file.
2. If the user clicks ‘Like’ button, **like.php** must display ‘**You like it!**’.
3. If the user clicks ‘Haha’ button, **like.php** must display ‘**You find it funny.**’
4. If the user checks ‘Bookmark’ checkbox, **like.php** must also display ‘ **Bookmarked!**’.

|  |  |
| --- | --- |
| **like.php** | **like.php**  **(after clicking a submit button)** |
| **Click on ‘Like’ submit button** |  |
| **Click on ‘Haha’ submit button** |  |
| **Click on ‘Like’ submit button** |  |
| **Click on ‘Haha’ submit button** |  |