LEARNING ACTIVITY SHEET
SPECIAL PROGRAM IN ICT 9
WEB DESIGN 9
Third Quarter, Week 6

Name of Learner: _____

Grade Level /Section: _____ Date: _____

PASSWORD INPUT, NUMBER INPUT AND RANGE INPUT

BACKGROUND INFORMATION FOR LEARNERS

There are different HTML input types that you can use. The default value of the type attribute is "text". The **<input type="text">** is use for the single- line text input field. In this discussion, In this discussion, we're focusing in password input, number input and range input.

The input type is used the tags **<input type= "password">** which defines a password field. The sample code and the expected output can be seen below.

```html
<!DOCTYPE html>
<html>
<head>
    <title>Forms: Password</title>
</head>
<body>
    <form>
        Username: <br />
        <input type = "text" name= "username"> <br />
        Password: <br />
        <input type= "password" name= "password">
    </form>
</body>
</html>
```


You can use these input types namely: **Input types submit, reset and button.**

- The **<input type= "submit">** which defines a button for submitting form data to a form-handler.
- The **<input type= "reset">** defines a reset button that will reset all forms values to their default values.
- The **<input type= "button>** defines the programmable button.

For the example, let us use the previous example in password.html, to add the code using input type submit, reset and button. The codes and output can be on the following pictures.

```html
<!DOCTYPE html>
<html>
<head>
    <title>Forms: Password</title>
</head>
<body>
    <form>
        Username: <br />
        <input type = "text" name= "username"> <br />
        Password: <br />
        <input type= "password" name= "password">
        <input type="submit" name="submit" value="Save">
        <input type="reset" name="clear" value="Clear">
        <input type="button" name="print" value="Print">
    </form>
</body>
</html>
```

HTML Attributes:

- **Placeholder** attribute specifies a clue that shows the expected value of an input field. The clue is displayed in the field to shows value of what the user needs to enter.
- **Required** attribute specifies that an input field must be filled out before submitting the form.
  Example:

```
Username: <br />
    <input type = "text" name= "username" placeholder="Enter Username" required> <br />
Password: <br />
    <input type= "password" name= "password" placeholder="Enter Password" required>
```

- The **pattern** attribute specifies that the input element's value is checked against.
- The **[A-Z]** attribute is used for accepting only upper case letters.
- The **[a-z]** attribute is used for accepting only lower case letters.
- The **[A-Za-Z]** attribute is used for accepting only letters, either lowercase, or upper case.
- The **[0-9]** attribute is used for accepting only numbers.
- The **title** attribute is used to describe the pattern to the user.
  Example:

```
Contact Number: <br />
    <input type="text" name="zipcode" pattern="(0-9)(11)" title="11-digit mobile">
<br />
```

Another input type, which is the **number input**. The **<input type="number">** defines a numeric input field.
  Example:

```
Age: <br />
<input type="number" name="age"> <br />
```

The **<input type="range">** defines a control for entering a number whose exact value is not important. Default range is 0-100. However, you can set the restrictions on what numbers are accepted with the min, max and step attributes.
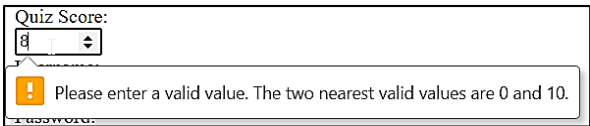
HTML attributes:

- The **size** attribute specifies the width (in character) or the maximum allowed length for the input field.
- The **maxlength** attribute describes the maximum allowed length for the input field.
- The **min** and **max** attributes describe the minimum and maximum input values.
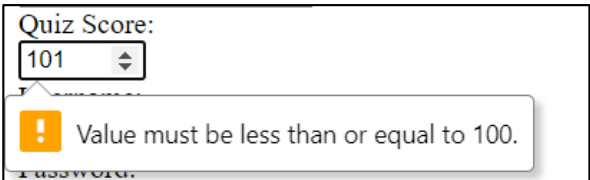- The **step** attribute describes the legal number of intervals for an <input> element.

The following code displays a numeric input field, where you can enter a value of 0 to 100, in steps of 10.
  Example:

```
Quiz Score: <br />
    <input type="number" name="score" min="0" max="100" step="10">
<br />
```

Quiz Score:
8
Please enter a valid value. The two nearest valid values are 0 and 10.

Quiz Score:
101
Value must be less than or equal to 100.

As you can see, you can't enter number 8 as it is not a number with interval of 10.

Now, let's try to enter a number more than 100.

See!, Number 101 is not accepted as it exceeds the maximum values.

LEARNING COMPETENCY

Create password input, number input and range input.

ACTIVITY 1:

Identification. What html tags or attribute that best describes each statement. Write your answer oin a one whole sheet of paper. (10pts)

1. This html tags is used for collecting inputs.

2. A html input type which defines a password field.

3. An attributes that defines a button for submitting form data to a form-handler.
4. This attribute specifies a clue that shows the expected value of an input field.
5. What input type tags is used to define a control for entering a number whose exact value is not important?
6. Which attribute describes the legal number of intervals for an <input> element?
7. You can use this attribute to describe the maximum input values.
8. What input type tags is used to define a numeric input field?
9. This attribute describes the maximum allowed length for the input field.
10. The attribute for accepting only lower-case letters.

ACTIVITY 2: (optional)

Directions: Hands-on activity: You are going to copy and try to run all the codes from password input type to number input type that we have demonstrated. I will send to our online classroom the copy of these codes so you can try it.

```html
1    <!DOCTYPE html>
2    <html>
3    <head>
4        <title>Forms: Password</title>
5    </head>
6    <body>
7        <form>
8            Contact Number: <br />
9                <input type="text" name="zipcode" pattern="(0-9)(11)" title="11-digit mobile">
10           <br />
11
12           Age: <br />
13               <input type="number" name="age">
14           <br />
15
16           Quiz Score: <br />
17               <input type="number" name="score" min="0" max="100" step="10">
18           <br />
19
20           Username: <br />
21               <input type = "text" name= "username" placeholder="Enter Username" required> <br />
22           Password: <br />
23               <input type= "password" name= "password" placeholder="Enter Password" required>
24
25               <input type="submit" name="submit" value="Save">
26               <input type="reset" name="clear" value="Clear">
27               <input type="button" name="print" value="Print">
28
29       </form>
30   </body>
31   </html>
```

ACTIVITY 3:

Directions: Hands-on activity: Accomplish the given task by doing the following instructions. See the expected code below.

Instructions:
- Create a new file named password.html
- The title should be "Forms: Password"
- Create a form
- Put the folllowing elements:
- A **User name** label followed by a text field, the name shall be username
- A **Password** label followed by a text field, the name shall be password
- A **First name** label followed by a text field, the name shall be fname
- A Middle name label followed by a text field, the name shall be mname
- A **Last name** label followed by a text field, the name shall be lname.
- Stated first name, middle name and last name shall be set to **required, with placeholder.**
- A **Score in Quiz** label followed by a number field, the name shall be score.
- Stated score in quiz shall be limit from 1-25 of score.
- Create a submit button with the name **submit** and a value set to **Submit.**
- Create a reset button with the name **reset** and a value set to **Clear.**

Expected output.

REFLECTION: Write your reflection in a one whole sheet of paper

What is the importance of Create password input, number input and range input.in a web designing?

REFERENCES

http://www.google.com

Prepared by: **LIEZEL S. CRUZ.**
Name of Writer

Noted by: **LABERNE A. LADIGNON, JR**
Division ICT Coordinator/ OIC EPS