The objectives of computers and information and communication technology

- Definition of certain concepts and Basic operations of the services and applications of information and communications technology.

- Understand some aspects of intellectual security related to the use of information and communication technology.

- The use of instruments of technological production (the language of html - Java Script language) to support learning.

- Producing project (to develop an interactive Web site) using the processes and programs and Technological tools.

- Using technological tools of communication to exchange content and insights with others.

- The use of electronic sources to deal with information.

- The use of technological tools in data processing, evaluating and reporting the results.

Lessons

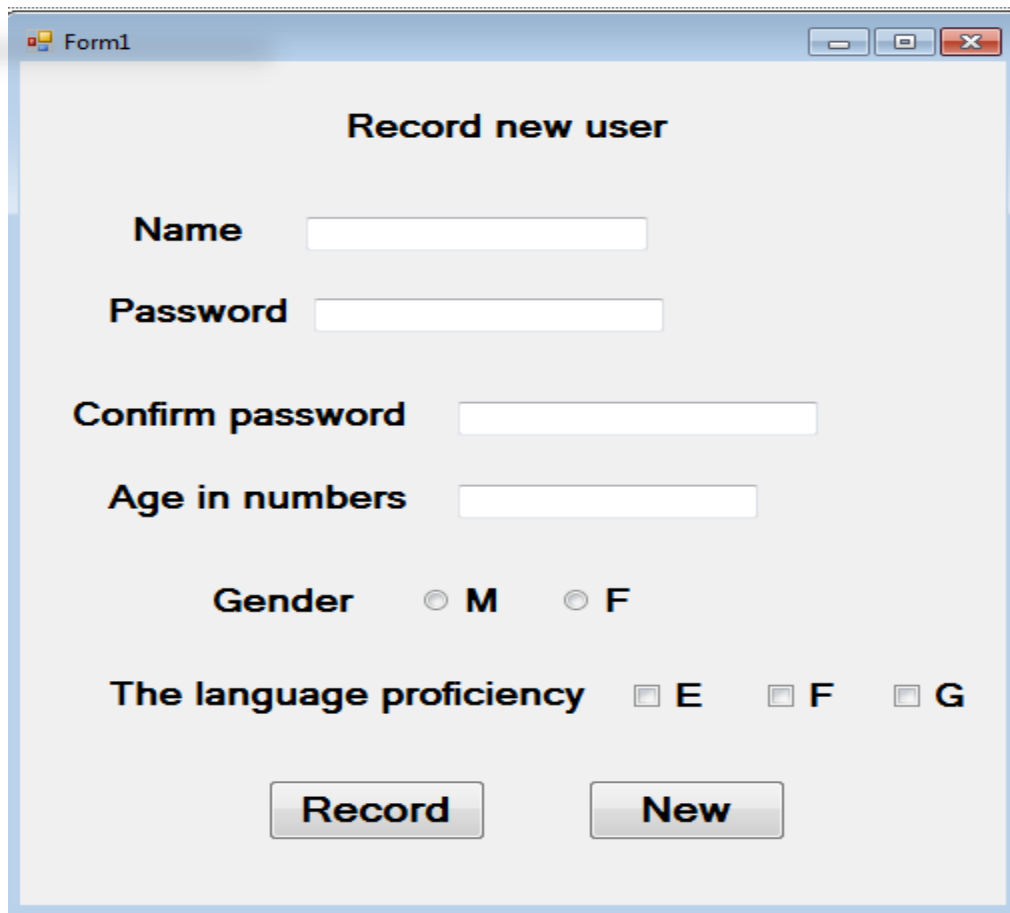| |
|---|
| Unit one :(website). |
| Lesson one : the language of HTML -Form - Some tools of the form |
| Lesson two : the language of HTML-attached Some tools of the form |
| Lesson three : the project |
| Unit two (Entrance to the language Java Script) |
| Lesson one : Some of the basic concepts of Java Script language |
| Lesson two: Call Java Script code. |
| Lesson three: Conditional Statement(if Statements) |
| Lesson four :To validate the data entered into web page |
| Lesson five : attached To validate the data entered into web page |
| Lesson six : the project |
| Lesson seven(enrichment):HTML5 |
| Unit three : safe use of the Internet |
| Lesson :the safe use of the Internet |

The first topic
Introduction to HTML (form)

At the end of the lesson it is expected that the student is able to:

- Explain the command of HTML markup language.

- Use HTML the markup language commands to create an interactive Web page.

- Execute some processes (add a field / Add a button of one alternative selection

  (Radio Button) in the language of HTML.

- Participate with his colleagues in learning activities.

To design form

In order to design the form (as described previously)and enter your data through interactive web by using the HTML language

1. we use the command</form>…<form > , through the form you can Add collection of elements to web page such as buttons or fields (Example):

   Make use of them in order to enter your data and send it to The Web site to be stored .

   We will describe in these topics various images of some buttons and input fields and how to add it to the web page

1-Add the fieldname

In order To add a field to enter the student's name we must add the text box (text) which allows visitors to insert Text data by writing it in text box by keyboard.

1- HTML language

To add a text box in the Web page we use the following command:

< input type = "text">

Activity

Dear Student: with the help of your teacher and collaboration with colleagues, do the following:

- Create a new text file.

. Type the code shown which contains it**<input type = "text">**within a form**<Form>**

-Save the text file with extension**(.htm)**
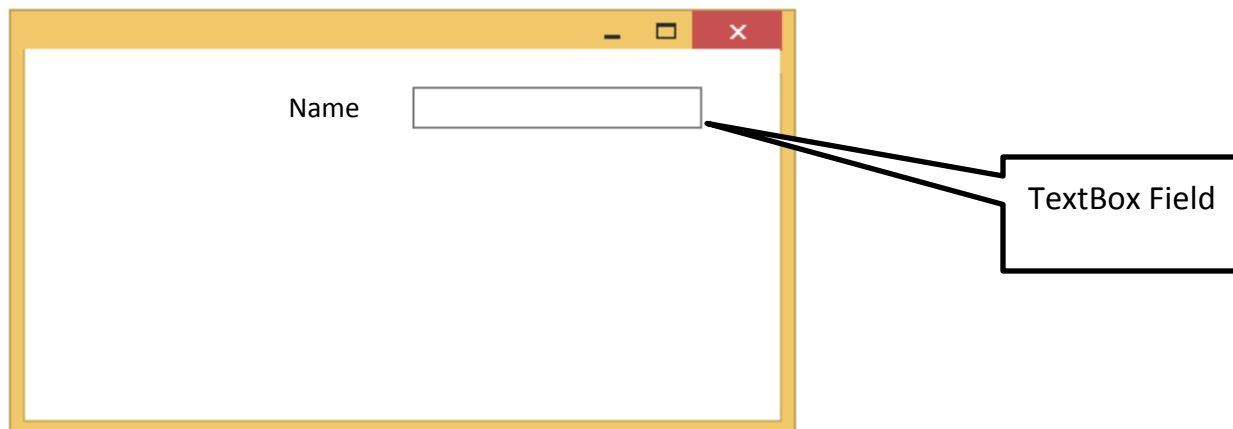
- Open the file in your Internet browser.

Code:

```
<form>
The name
<input type = "text">
</form>
```

Name [   ]

TextBox Field

Text Box Field in the web page

Note:

The text box has been added to the web page with the possibility of writing inside.

2-Add the password field

To add a password input field we must add the password field (password) ,(●) the icon appears during writing the password In order to hide the real password components.

●●●●●●●●●   ☂

To add the password field in the Web page we use the following command:

< input type = "password">

<div align="center">

Activity

</div>

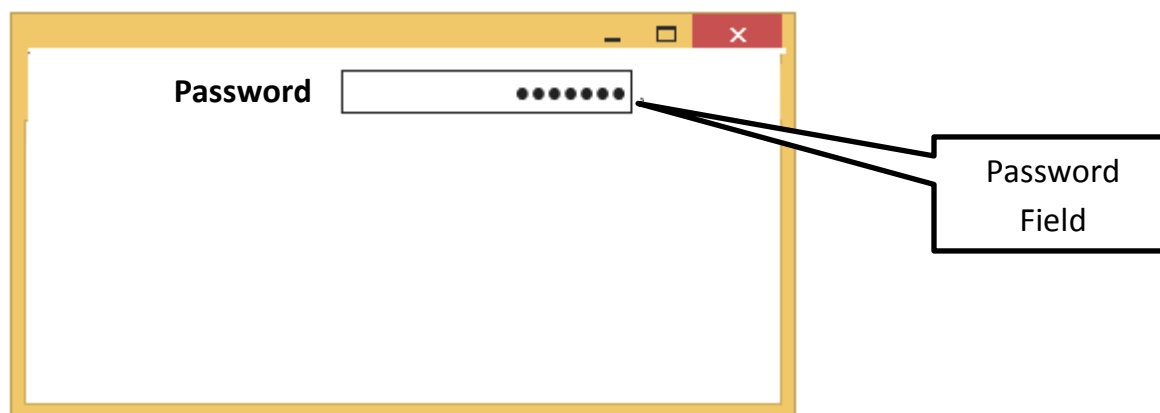**Dear Student**: with the help of your teacher and collaboration with colleagues, do

the following:

- Create a new text file.

. Type the code shown which contains it**<input type="password">** within a

form**<Form>**

- Save the text file with extension**(.htm)**

- Open the file in your Internet browser.

Code:

```
<form>
<input type = "password">
</form>
```

Password   •••••••

Password
Field

Password Field in the web page

NOTE:

Add an entry password to the Web page field with the possibility of writing inside.

- **We can Similarly Add the Confirm password field.**

3-Add Age field

With the help of your teacher you can follow the same steps above to add the age field to the web page.

4-Add (a radio button)

To enter Gender (Male / Female) we add to the web page (Radio Button) to choose one alternative which allows you to choose only one of several alternatives.

Radio Button

To add the Radio Button to the Web page we use the following command:

< input type = "Radio ">

Activity

Dear Student: with the help of your teacher and collaboration with colleagues, do the following:

- Create a new text file.

. Type the code shown which contains it**<input type="radio" >**within a

form**<Form>**this is command is repeated twice to show the male and female variants.

- Save the text file with extension**(.htm)**
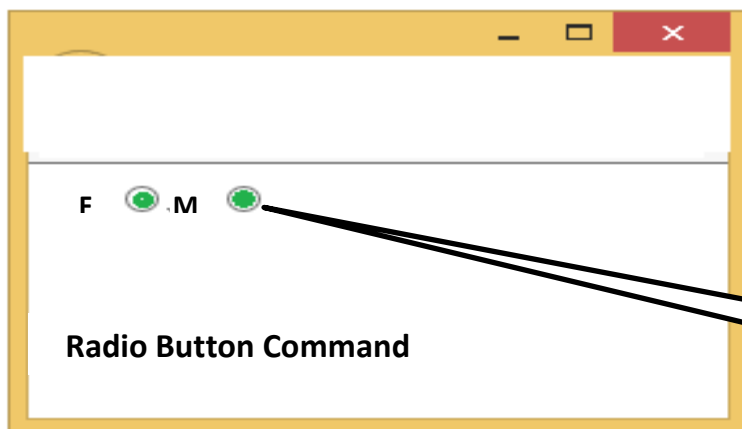
- Open the file in your Internet browser.

Code:

```
<form>
Male <input type = "radio" >
    Female <input type = "radio" >
</form>
```


F ◉ .M ◉

Radio Button Command

Radio Button Command

Activity

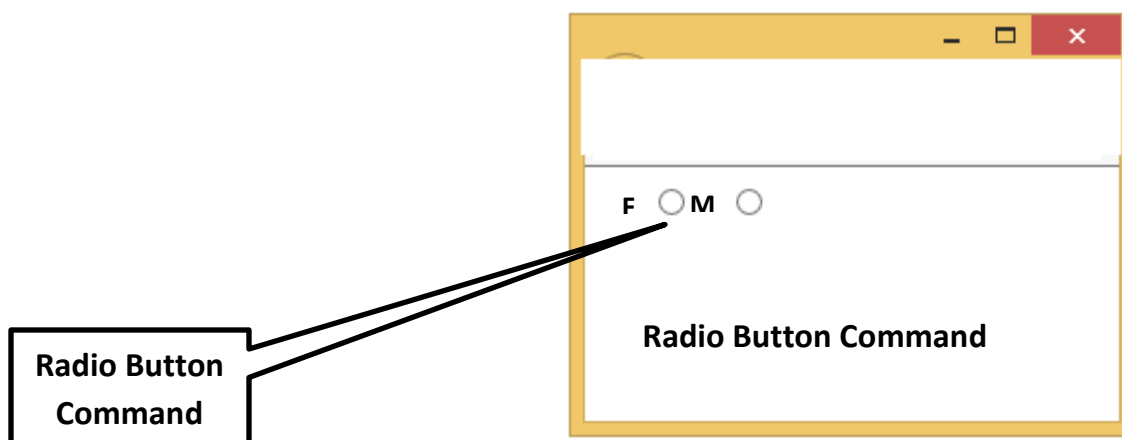**Dear Student**: with the help of your teacher and collaboration with colleagues, do the following:

Look for how to overcome the problem of the selection of two buttons together at the same time ....

We note that can be selected two buttons together and to address it (choose only one button) is used the **Name** property and used to determine the names of radio Buttons. In order to choose one of two buttons at a time, follow the procedures:

1- Give a name like "a" to the first radio button

2- Give the same name "a" to the second radio button

And so prevents the selection two buttons together as follows **Code:**

```
<form>
Male <input type = "radio" name="a">
Female <input type = "radio" name="a" >
</form>
```

F ○ M ○

Radio Button Command

Radio Button Command

Now, could you choose two alternatives together?

………………………………………………………….

Remember that

The form

You can use it to add collection of elements to web page such as buttons or fields, and Make use of them in order to enter your data and send it to The Web site to be stored .

Text box (text):

Text box (text)

It which allows visitors to insert Text data by writing it in the text box by Keyboard.

The password field

The icon (●) appears during writing the password In order to hide the real password components.

Radio Button:

It which allows you to choose only one of several alternatives.

Exercises

First question: Write the scientific term:

1- You can use it to add collection of elements to web page such as buttons or fields, and make use of them in order to enter your data and send it to The Web site to be stored .   (   )

2-It which allows to visitors to insert Text data by writing it in the text box by the Keyboard   (   )

3- The icon (●) appears during writing the password in order to hide the real password components.   (   )

4- It which allows you to choose only one of several alternatives.   (   )

2- Second question: Match:

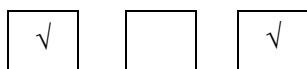| (A)	(B)
1-To add password	a)<input type = "radio" > (…..)
2-To add (Radio button)	b)<input type = "text">(…..)
3-To add text inside the form	c)<input type = "password">(…..)

3-Third Question: put (true)on the right statement and (false)on the false statement:

1- The presence of a form to be sent to the data entered into the Web site to be Stored is not required to be on the web page.   (   )

2- To give the same name to cancel the possibility of selecting two buttons and one alternate choice at the same time we use the Name to give the same name to two buttons property. (   )

3- you can add the text box (Radio)to add a field to enter the name of the student. (   )

The second topic
Introduction to HTML (form)

Check box

- To choose which language you speak or more you can add check box ☐ To the webpage
- The possibility of choosing more than one choice (at the same time) As the following:

√		√

- To add a checkbox to the web page using the following command:
- **<Input type = "checkbox">**

Note: You can Dear student repeat the same previous command to add more of the selection of the web page.

Activity

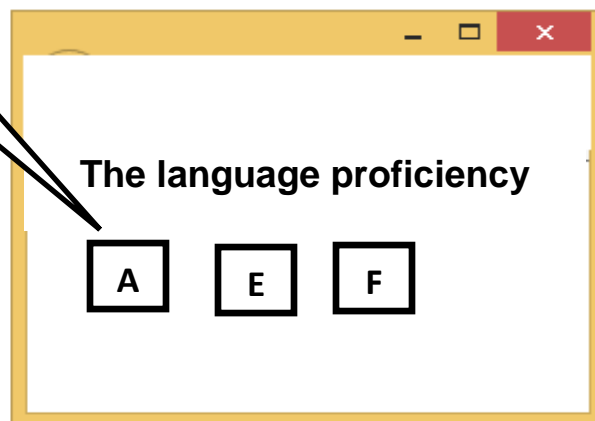Dear Student: In collaboration with colleagues and with the help of your teacher do the following code:

```
<Form>
 <br>
Arabic <input type = "checkbox">
English <input type = "checkbox">
French <input type = "checkbox">
</form>
```

Check Box

The language proficiency

A	E	F

Command button

- when you press this button can it will be performed many functions, such as recording your data – deleting your data from a survey

- To add button command to the webpage:
- **<input type = "button">**

Activity

Dear Student: In collaboration with colleagues and with the help of your teacher do the following:

- Create a new text file.

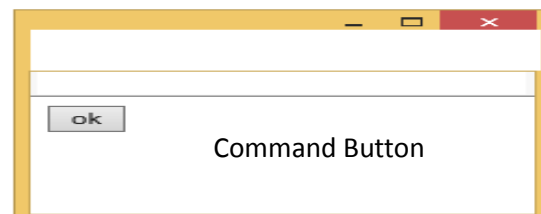. <Form> within a form <input type = "button"> - type the code shown which contains it

.html - Save the text file extension

- Open the file in your Internet explorer

<Form>
<input type = "button" value="ok">
</form>

Command Button

- Dear Student There are three types of buttons that can be added to the model that is designed
    It is as follows:
- 1-(button) is used to perform a task being carried out by writing codes
- 2-(submit)for sending data
- 3-(reset) for deleting data

Submit button

(Submit): by **Pressing it you can send your data you have entered through the elements of the form by using another property and it is called (action)**

Submit Query

To add submit to the webpage: use this code:

<input type = "submit">

Activity

Dear Student: In collaboration with colleagues and with the help of your teacher do the following:

- Create a new text file.

. <Form> within a form <input type = "submit"> - Type the code shown which contains it

```
.html - Save the text file extension
<form action="process.php">
<input type = "submit">
</form
```

>

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Reset button

To delete the values that have already introduced and a return to the values assumption.

For adding reset button to the webpage use the code:

<input type = "reset">

Activity
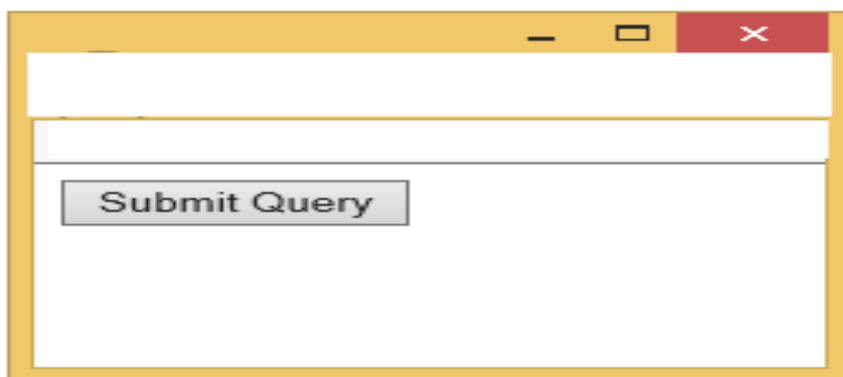
Dear Student: In collaboration with colleagues and with the help of your teacher do the following:

- Create a new text file.

. <Form> within a form <input type = "reset"> - Type the code shown which contains it

.html - Save the text file extension

- Open the file in your Internet browser

The code:

<form>

<input type = "reset">

</form>

Remember that:

Button

- when you press this button many function, can be performed such as recording your data – deleting your data from a survey

Submit button

(**Submit**): <u>by</u> Pressing it you can send your data you have entered through the elements of the form by using another property and it is called (action)

Reset

To delete the values that have already introduced and a return to the values assumption.

For adding reset button to the webpage use the code:

<input type = "reset">

Exercises

1-First Question: put (true)on the right statement and (false)on the false statement:

1-To choose which language you speak, or more than one language you can add check boxes to the webpage. (   )

2-To select the text that use the (name) property appears on the button. (   )

3-(submit button) is used to delete the data written into the input fields. (   )

2-Second question complete the following:

1-..................... Button is used to perform a task that can be performed by writing code.

2-Button .... used to send data.

3-........................ Button is used to delete data.

3-Third question: Choose from column B what suits it from column A.

(A)	(B)
1-To add choice box	<input type = "submit"> (……..)
2-To add command button	<input type = "reset"> (……..)
3-To add delete button to the webpage	<input type = "checkbox"> (……..)
4-To add submit button to the webpage	<input type = "button"> (……..)