

HTML Forms

- HTML forms let you send a bunch of variables at the same time. They allow you to use form fields such as `<input>` `<select>` and `<textarea>`.
- HTML forms starts with `<form>` and ends with `</form>`.

HTML Forms

1. Form Attribute

```
<form name="form1" action="test2.cfm" method="post">
```

a. Required attribute:

- **action** (A URL that defines where to send the data when the submit button is pushed)

---- if the destination url is under same directory, we just simply put the destination file name.

eg.

usr/local/apache/coldfusion/intranet/scratch-area/lily/test.cfm

(this file include html form tag)

usr/local apache/coldfusion/intranet/scratch-area/lily/test2.cfm

(this file is to retrieve the data from test.cfm)

---- if different directory

usr/local/apache/coldfusion/intranet/scratch-area/lily/test.cfm

usr/local/apache/coldfusion/intranet/scratch-area/test2.cfm

How we can do?

HTML Forms

Solution:

```
<form name="form1" action=" ../test2.cfm" method="post">
```

b. Optional attribute:

Method

Possible values:

get - Default. This method sends the form contents in the URL:
URL?name=value&name=value.

post - This method sends the form contents in the body of the request.

Name

Defines a unique name for the form

HTML Forms

2. input tag (no closing tag)

a. Text field

First name:

```
<input type="text" name="firstname" size="10" maxlength="50" >  
<br />
```

Last name:

```
<input type="text" name="lastname" size="10" maxlength="50" >
```

First name:

Last name:

Notes: size is the width of the input box and maxlength is the maximum character can input in the input box

HTML Forms

b. Password field

Password:

```
<input type="password" name="password">
```

When you type characters in a password field, the browser displays asterisks or bullets instead of the characters.

c. Radio Buttons

Note that only one option can be chosen for radio button.

```
<input type="radio" name="sex" value="male"> Male
```

```
<br />
```

```
<input type="radio" name="sex" value="female">Female
```

Male

Female

d. Check box

Checkboxes are used when you want the user to select one or more options of a limited number of choices.

HTML Forms

I have a bike: `<input type="checkbox" name="vehicle" value="Bike">`
`
`

I have a car: `<input type="checkbox" name="vehicle" value="Car">`
`
`

I have an airplane: `<input type="checkbox" name="vehicle" value="Airplane">`

I have a bike:
I have a car:
I have an airplane:

e. Hidden field

Hidden fields are similar to text fields, with one very important difference! The difference is that the hidden field does not show on the page. Therefore the visitor can't type anything into a hidden field

```
<input type="hidden" name="Language" value="English">
```

HTML Forms

3. Select tag (need closing tag)

```
<select name="cars">  
<option value="volvo">Volvo</option>  
<option value="saab">Saab</option>  
<option value="fiat">Fiat</option>  
<option value="audi">Audi</option>  
</select>
```

4. Textarea tag

```
<textarea rows="10" cols="30"> The cat was playing in the garden.  
</textarea>
```

5. Submit Button

```
<input type="submit" value="Submit" />
```

If you click the "Submit" button, you will send your input to a new page called test2.cfm.

HTML Forms (Questions)

1. What is the correct HTML for making a checkbox?

Answer:

- a. `<checkbox>`
- b. `<input type="check">`
- c. `<check>`
- d. `<input type="checkbox">`

2. What is the correct HTML for making a text input field?

Answer:

- a. `<input type="text">`
- b. `<textfield>`
- c. `<textinput type="text">`
- d. `<input type="textfield">`

HTML Forms (Questions continued)

3. What is the correct HTML for making a drop-down list?

Answer:

- a. `<list>`
- b. `<input type="list">`
- c. `<select>`
- d. `<input type="dropdown">`

4. What is the correct HTML for making a text area?

Answer:

- a. `<input type="textarea">`
- b. `<input type="textbox">`
- c. `<textarea>`

Cold Fusion Tags

- ColdFusion is a programming language that is tag based and can be used on the same page as HTML.
- All ColdFusion tags start with “cf”.
- If there are ColdFusion tags and HTML tags in the file, you need to save as .cfm instead of .html

<cfset>

- `<cfset yourName = "Joe">`

this tag sets variable "yourName" to the value of "Joe".

Some rules for defining variable names:

I. Variable name is not case sensitive.

thus

`<CFSET YOURname = "Joe">` is the same as `<CFset yourNameE = "Joe">`. (put double quote or single quote if the value is string)

Cold Fusion Tags (continued)

```
<cfset blah = 123>
```

if value is number

2. A variable name must begin with a letter, which can be followed by any number of letters, numbers, and underscore characters.
 3. A variable name cannot contain spaces.
- Variables can store results of adding numbers, concatenating strings or any other legal operation. For example, you can do the following:

eg 1.

```
<cfset myVar = 123>
```

```
<cfset anotherVar = 321>
```

```
<cfset sum = myVar + anotherVar>
```

Here is what the variable 'sum' holds sum = 444

You can output it using:

```
<cfoutput>#sum#</cfoutput> <br />
```

Cold Fusion Tags (continued)

eg 2.

```
<cfset myFirstVar = "1st string">
```

```
<cfset mySecVar = "2nd string">
```

```
<cfset myaddingvar = "#myFirstVar# #mySecVar#">
```

Here is what the variable ' myaddingvar ':


```
<cfoutput># myaddingvar#</cfoutput>
```

Cold Fusion Tags (continued)

- Logical operators (cfif)

eg3.

```
<cfset x = 4>
```

```
<cfif x eq 4>
```

```
  x is 4
```

```
<cfelse>
```

```
  x is not 4
```

```
</cfif>
```

Cold Fusion Tags (continued)

eg 4.

```
<cfset x = 4>
```

```
<cfset y = 6>
```

```
<cfif x eq 4 and y eq 6>
```

```
  x is 4 and y is 6
```

```
<cfelseif x eq 4 and y neq 6>
```

```
  x is 4 and y is not 6
```

```
<cfelseif x neq 4 and y eq 6>
```

```
  x is not 4 and y is 6
```

```
<cfelse>
```

```
  x is not 4 and y is not 6
```

```
</cfif>
```

Cold Fusion Tags (continued)

- ColdFusion Comments

At the top of the files, put author's name, date, purpose to write or modify this page in the comments.

```
<!-- Your Comments      -->
```

Cold Fusion Tags (Questions)

1. What is the correct variable name?

Answer:

- a. `_firstname`
- b. `yours_firstname`
- c. `!yourfirstname`
- d. `your firstname`

2. What is correct comment sign in ColdFusion page?

Answer:

- a. `<!-- -->`
- b. `<!---- ---->`
- c. `/*`
- d. `//`

Cold Fusion Tags (Questions Continued)

3. What is the correct result for the following code?

```
<cfset x=7>  
<cfset y=6>  
  <cfif x eq 6 and y eq 6>  
    Do action I  
  <cfelseif x eq 7 and y eq 5>  
    Do action II  
  <cfelse>  
    Do action III  
</cfif>
```

Answer:

- a. Do action I
- b. Do action II
- c. Do action III