



## >> Form Data Retrieval in JavaScript

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# Back to Forms

## Accessing Form Elements

```
document.forms[number].elements[number]
```

**Note:** it's better to use the names of the forms and elements  
In HTML, you have to give a name to each form and each element

## What we do

- Retrieve Values from the input elements
- Set Values into the input elements

## Sample Form

```
<form name="personal">  
  Name: <input type="text" size="20" name="name"/> <br/>  
  Gender: <input type="radio" name="gender" value="Mr."/>Male  
  <input type="radio" name="gender" value="Mrs."/>Female<br/>  
  Country: <select name="country">  
    <option value="India">India</option>  
    <option value="Saudi Arabia">Saudi Arabia</option>  
  </select> <br/>  
  <input type="checkbox" name="phd" value="Dr."/>Are you a PhD  
  holder?"<br/>  
  <input type="button" value="Submit" onclick="checkscript()"/>  
</form>
```

**Note: Download the file “testprofile.html”**



<http://www.kfu.edu.sa/ccsit/is/web-based-systems>

## Syntax

Can substitute with form name

*keyword*

```
var input_val = document.forms[0].elements[0].value;
```

Can substitute with element name

## Try Now

When the user presses submit, display an alert popup saying “Hi, Mr. *theName*”. (“theName” is the name the user enters in the field)

## Texts, textareas and password fields

## Syntax

Can substitute with form name

*keyword*

```
var input_val = document.forms[0].select.value;
```

Can substitute with element name

## Try Now

When the user presses submit, display an alert popup saying “Hi, Mr. *theName* from *theCountry*”. (“theCountry” is the name the country the user selects from the drop-down list)

## Drop-down (Select)



We know the value, but need to find if the user **checked** it

### Syntax

Can substitute with form name

*keyword*

```
if(document.forms[0].checkbox.checked)
{
```

Can substitute with element name

```
var input_val = document.forms[0].checkbox.value; }
```

## Try Now

When the user presses submit, display an alert popup saying “Hi, Mr./Dr. *theName* from *theCountry*”. (If the checkbox is selected, then use Dr. or else use Mr.)

## Checkboxes



It's not possible to see at once which radio button in a group the user has checked

## Syntax

```
var rd = document.forms[0].radio;  
for (i=0;i<rd.length;i++) {  
  
    if (rd[i].checked) {  
        input_val = rd[i].value;  
    }  
}
```

## Try Now

When the user presses submit, display an alert popup saying "Hi, Mr./Dr./Mrs. *theName* from *theCountry*". (Choose Mr. or Mrs. Based on the radio selection.)

## Radio Buttons

### Text, Textarea, password

```
document.forms[0].text.value = "value";
```

### Radio

```
document. forms[0].radio[1].checked = true/false;
```

### Drop-down

```
document. forms[0].select.selectedIndex = 1;
```

### Checkbox

```
document. forms[0].checkbox.checked = true/false;
```

# Try Now

Name:

Gender: ☒ Male ☐ Female

Country:  ▼

☒ Are you a PhD holder?"

## Setting Values