Solutions to Quick Checks

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# Quick Check Answers

Quick Check 1

1. Provide the object reference to the second element within the first web form on the web page.

document.forms[0].elements[1]

**Feedback**: Use the forms collection to reference the forms within a web page and the elements collection to reference the elements within that form.

1. Provide code to retrieve the value of the selected option in the selection list with the id “state”, storing the value in the stateName variable.

let sIndex = document.getElementById("state").selectedIndex;  
let stateName = document.getElementById("state").options[sIndex].value;

**Feedback:** Variable names in the example may differ. Use the selectedIndex to determine which option in selection list has been selected. Use the options collection to reference the options within the selection list.

1. Provide code to retrieve the value of the checked option in the option group for the shipping field.

document.querySelector('input[name="shipping"]:checked').value

**Feedback**: Use the querySelector() method to select a single node based on a CSS selector that selects only input elements with the name attribute equal to "shipping" and with a checked attribute.

1. Provide code to display the value of the payment variable as United States currency.

payment.toLocaleString("en-US", {style: "currency", currency: "USD"})

**Feedback**: Use toLocaleString() method to format a text string according to standards in specified locale with currency options for that locale.

1. Provide code to run the calcShipping() function when the value of the state field in the shoppingCart form is changed.

document.forms.shoppingCart.elements.state.onchange = calcShipping

**Feedback:** Use the onchange event handler to run a function when the state field is changed.

Quick Check 2

1. Provide code to turn off the native browser validation for the web form with the name reviewForm.

document.forms.reviewForm.noValidate = true;

**Feedback:** Use the noValidate property of the form object to turn off native browser validation.

1. Provide code to indicate whether there is a type mismatch for data entered in the input box with the id “reviewDate”.

document.getElementById("reviewDate").validity.typeMismatch

**Feedback:** Use the typeMismatch property of the validity object to test for a data type mismatch of a field.

1. Provide code to indicate whether the field with the id “reviewRating” has a value greater than allowed by the max attribute.

document.getElementById("reviewRating").validity.rangeOverflow

**Feedback:** Use the rangeOverflow property of the validity object to test for field value greater than allowed by the max attribute.

1. Provide code to change the validation message for the reviewRating input box to “Value larger than allowed.”

document.getElementById("reviewRating").setCustomValidity("Value larger than allowed.")

**Feedback:** Use the setCustomValidity() method to set the text of a validation error message.

1. Provide code to test whether the value entered in the customerID input box matches the regular expression /^[A-Z]{3}-\d{2}$/.

/^[A-Z]{3}-\d{2}$/.test(document.getElementById("customerID").value)

**Feedback:** Use the test() method to test a text string to determine if it conforms to the character pattern defined by a regular expression.