

# Jscript

GET SET VALUES OF DIFFERENT DATA  
TYPES USING XRM.PAGE



```
// Get and set the value of a Single Line of Text field using Xrm.Page
var singleLineTextValue = Xrm.Page.getAttribute("new_singlelinefield").getValue();
if (singleLineTextValue != null) {
    alert("Single Line of Text Value: " + singleLineTextValue);
}

Xrm.Page.getAttribute("new_singlelinefield").setValue("New Text Value");
```

# 1. Single Line of Text:





```
// Get and set the value of an Option Set field using Xrm.Page

// Get the current value of the "new_optionsetfield" attribute
var optionSetValue = Xrm.Page.getAttribute("new_optionsetfield").getValue();

// Check if the retrieved value is not null (i.e., a value is selected)
if (optionSetValue != null) {
    // Display an alert with the current Option Set value
    alert("Option Set Value: " + optionSetValue);
}

// Set the value of the "new_optionsetfield" attribute to 2
Xrm.Page.getAttribute("new_optionsetfield").setValue(2); // Set to the second option (index 2)
```

## 2. Option Set (Picklist):





```
// Get the current value of the "new_lookupfield" attribute
var lookupValue = Xrm.Page.getAttribute("new_lookupfield").getValue();

// Check if a value is selected in the Lookup field (not null)
if (lookupValue != null) {
    // Retrieve the ID and name of the selected Lookup value
    var lookupId = lookupValue[0].id;
    var lookupName = lookupValue[0].name;

    // Display an alert with the ID and name of the selected Lookup value
    alert("Lookup Field Value - ID: " + lookupId + ", Name: " + lookupName);
}

// Define the ID and entity name of the related record to set in the Lookup field
var entityId = "GUID-of-the-related-record";
var entityName = "new_relatedentityname";

// Create an array with the Lookup data to set, including ID, entity type, and name
var lookupData = [{ id: entityId, entityType: entityName, name: "Record Name" }];
```

### 3. Lookup:



```
// Get and set the value of a Date and Time field using Xrm.Page

// Get the current value of the "new_dateofbirth" attribute
var dateOfBirthValue = Xrm.Page.getAttribute("new_dateofbirth").getValue();

// Check if a value is selected in the Date and Time field (not null)
if (dateOfBirthValue != null) {
    // Display an alert with the current Date of Birth value
    alert("Date of Birth Value: " + dateOfBirthValue);
}

// Set the value of the "new_dateofbirth" attribute to a specific date (January 1, 1990)
Xrm.Page.getAttribute("new_dateofbirth").setValue(new Date("1990-01-01"));
```

## 4. Date of Birth (Date and Time):



```
// Get and set the value of a Two Options (Boolean) field using Xrm.Page

// Get the current value of the "new_twoptionsfield" attribute
var twoOptionsValue = Xrm.Page.getAttribute("new_twoptionsfield").getValue();

// Check if a value is selected in the Two Options field (not null)
if (twoOptionsValue != null) {
    // Convert the Two Options value to a boolean variable
    var isTrue = twoOptionsValue;

    // Display an alert with the Two Options value, showing "Yes" if true and "No" if false
    alert("Two Options Value: " + (isTrue ? "Yes" : "No"));
}

// Set the value of the "new_twoptionsfield" attribute to true (Yes)
Xrm.Page.getAttribute("new_twoptionsfield").setValue(true);
```

## 5. Two Options Set (Boolean):



```
// Getting the Value of a MultiSelect Option Set Field

// Get the current value of the "new_multiselectoptionsetfield" attribute
var selectedValues = Xrm.Page.getAttribute("new_multiselectoptionsetfield").getValue();

if (selectedValues != null) {
    // 'selectedValues' is an array of integers representing the selected option values

    // Loop through the array to access each selected option value
    for (var i = 0; i < selectedValues.length; i++) {
        var optionValue = selectedValues[i];
        // Do something with 'optionValue' (it represents one of the selected values)
    }
}

// Setting the Value of a MultiSelect Option Set Field

// Define an array of integers representing the selected values you want to set
var selectedValuesToSet = [1, 3, 5]; // Replace with the actual option values you want to set

// Set the value of the "new_multiselectoptionsetfield" attribute with the defined array
Xrm.Page.getAttribute("new_multiselectoptionsetfield").setValue(selectedValuesToSet);
```

## 6 Multi Select Option Set



```
// Getting the Value of a MultiSelect Option Set Field

// Get the current value of the "new_multiselectoptionsetfield" attribute
var selectedValues = Xrm.Page.getAttribute("new_multiselectoptionsetfield").getValue();

if (selectedValues != null) {
    // 'selectedValues' is an array of integers representing the selected option values

    // Loop through the array to access each selected option value
    for (var i = 0; i < selectedValues.length; i++) {
        var optionValue = selectedValues[i];
        // Do something with 'optionValue' (it represents one of the selected values)
    }
}

// Setting the Value of a MultiSelect Option Set Field

// Define an array of integers representing the selected values you want to set
var selectedValuesToSet = [1, 3, 5]; // Replace with the actual option values you want to set

// Set the value of the "new_multiselectoptionsetfield" attribute with the defined array
Xrm.Page.getAttribute("new_multiselectoptionsetfield").setValue(selectedValuesToSet);
```

# 7 Customer





```

function validateEmailAddress() {
    // Check if the email address is empty.
    var emailAddress = Xrm.page.getAttribute("primaryemailaddress").getValue();
    if (emailAddress === null || emailAddress === "") {
        alert("Please enter an email address.");
        return false;
    }

    // Check if the email address is in a valid format.
    var regex = /^(([^<>()[\]\\\.,;:\s@"]+(\\.|[^\s@"])*|("[^"]*"|'['']*'))@([0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.|[a-zA-Z]{2,})$/;
    if (!regex.test(emailAddress)) {
        alert("Please enter a valid email address.");
        return false;
    }

    // The email address is valid.
    return true;
}

```

Real Time Scenario : Validate a customer's email address1



# Scenario 2: Updating Case Priority

**Requirement:** When a new support case is created, it should have a default priority of "Medium."  
However, if the case is related to a VIP customer, the priority should be set to "High."



```
// Get the Priority field value for the new support case
var priority = Xrm.Page.getAttribute("new_priority").getValue();

// Check if the case is related to a VIP customer
var isVIPCustomer = Xrm.Page.getAttribute("new_isvipcustomer").getValue();

if (isVIPCustomer === true) {
    // Set the priority to "High" for VIP customers
    Xrm.Page.getAttribute("new_priority").setValue("High");
} else {
    // Set the default priority to "Medium" for non-VIP customers
    Xrm.Page.getAttribute("new_priority").setValue("Medium");
}
```



# Scenario 3 Date and Time Field:

**Requirement:** In an event management system, when a new event is created, the "Event Start Date" field should be automatically set to the current date and time. Additionally, if the event is marked as "All-Day," the "Event End Date" should be set to the same date with a time of 11:59 PM.

```
// Get the "Event Start Date" and "Is All-Day Event" values
var eventStartDateField = Xrm.Page.getAttribute("new_eventstartdate");
var isAllDayEventField = Xrm.Page.getAttribute("new_isalldayevent");

if (eventStartDateField && isAllDayEventField) {
    // Get the current date and time
    var currentDate = new Date();

    // Set the "Event Start Date" to the current date and time
    eventStartDateField.setValue(currentDate);

    // Check if it's an "All-Day" event
    if (isAllDayEventField.getValue()) {
        // If it's an "All-Day" event, set the "Event End Date" to the same date at 11:59 PM
        var endDate = new Date(currentDate);
        endDate.setHours(23, 59, 59);
        Xrm.Page.getAttribute("new_eventenddate").setValue(endDate);
    }
}
```