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# MICROSOFT 98-382

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**Microsoft Introduction to Programming Using JavaScript Certification  
Questions & Answers**

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Exam Summary – Syllabus – Questions

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**98-382**

**[Microsoft Technology Associate \(MTA\) - Introduction to Programming Using JavaScript](#)**

**40-60 Questions Exam – 700 / 1000 Cut Score – Duration of 45 minutes**

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## Know Your 98-382 Certification Well:

The 98-382 is best suitable for candidates who want to gain knowledge in the Microsoft Visual Studio. Before you start your 98-382 preparation you may struggle to get all the crucial Introduction to Programming Using JavaScript materials like 98-382 syllabus, sample questions, study guide.

But don't worry the 98-382 PDF is here to help you prepare in a stress free manner. The PDF is a combination of all your queries like-

- What is in the 98-382 syllabus?
- How many questions are there in the 98-382 exam?
- Which Practice test would help me to pass the 98-382 exam at the first attempt?

Passing the 98-382 exam makes you Microsoft Technology Associate (MTA) - Introduction to Programming Using JavaScript. Having the Introduction to Programming Using JavaScript certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

## Microsoft 98-382 Introduction to Programming Using JavaScript Certification Details:

Exam Name	Microsoft Technology Associate (MTA) - Introduction to Programming Using JavaScript
Exam Code	98-382
Exam Price	\$127 (USD)
Duration	45 mins
Number of Questions	40-60
Passing Score	700 / 1000
Schedule Exam	<a href="#">Pearson VUE</a>
Sample Questions	<a href="#">Microsoft Introduction to Programming Using JavaScript Sample Questions</a>
Practice Exam	<a href="#">Microsoft 98-382 Certification Practice Exam</a>

## 98-382 Syllabus:

Topic	Details
<b>Program with JavaScript Operators, Methods, and Keywords (20-25%)</b>	
Complete or debug code that uses assignment and arithmetic operators	- assignment; increment; decrement; addition; subtraction; division; multiplication; modulus; compound assignment operators
Apply JavaScript best practices	- comments; indentations; naming conventions; noscript; constants; reserved keywords; debugger keyword; setting breakpoints; console.log
Evaluate the use of inline and external scripts	- when to use, how to use, and what happens when both are used
Implement exception handling	- try; catch; finally
Complete and debug code that interacts with the Browser Object Model (BOM)	- manage state; display dialogs; determine screen size
<b>Program with Variables, Data Types, and Functions (25-30%)</b>	
Declare and use variables of primitive data types	- number; boolean; string; null; undefined; typeof operator; type checking functions; use strict; converting between data types; formatting numbers; string operations; single quote vs double quote (nesting); initialization
Declare and use arrays	- single-dimensional arrays; multi-dimensional arrays; iteration; initialization; define an array; sort and search an array; use push, pop, shift, and unshift methods; use the length property; access an array element
Complete and debug code that uses objects	- properties; methods; instantiation; date object; retrieve date and time parts; localize date format (MM/DD vs DD/MM); add and subtract dates
Complete and debug code that uses built-in Math functions	- random; round; abs; floor; ceiling; min; max; pow; sqrt
Complete and debug a function that accepts parameters and returns a value	- reusable code; local versus global scope, redefine variables, pass parameters, value versus reference, return values

Topic	Details
<b>Implement and Analyze Decisions and Loops (20-25%)</b>	
Evaluate expressions that use logical and comparison operators	- ==; !=; <, >; <=; >=; !; &&;
Complete and debug decision statements	- if; else if; switch; nested if
Complete and debug loops	- for; while; do; break; continue
<b>Interact with the Document Object Model (15-20%)</b>	
Identify and construct the Document Object Model (DOM) tree	- window; document; body; other HTML elements
Identify and handle HTML events	- onchange; onmouseover; onload; onclick; onmouseout; onkeydown
Complete and debug code that outputs to an HTML document	- innerHTML; document.write
Complete and debug code that locates, modifies, and adds HTML elements and attributes	- getElementById; getElementsByTagName; getElementsByClassName; setAttribute; createElement
<b>Interact with HTML Forms (5-10%)</b>	
Complete and debug code that retrieves input from forms and sets form field values	- retrieve form values; identify the DOM path; get values from different types of elements; populate values; mask values
Complete and debug code that performs input validation	- case; string comparisons; Not-A-Number (NaN)
Describe the form submission process	- onsubmit; post versus get; potential targets for submission

## Microsoft 98-382 Sample Questions:

### Question: 1

You are writing a function that calculates the remainder for integer division. The function receives two parameters, a and b, and must return the remainder that is left over when the integer a is divided by the integer b.

You create the following code. Line numbers are for reference only.

```
01 function remainder(a, b) {  
02  
03  
04 }
```

You want to complete the function for lines 02 and 03. Which two sets of code segments should you use?

Each correct answer presents a complete solution.

(Choose two.)

- a) 02 a = a / b - a  
03 return a;
- b) 02 b = b % a;  
03 return b;
- c) 02 b %= a;  
03 return b;
- d) 02 a %= b;  
03 return a;
- e) 02 a = a % b;  
03 return a;
- f) 02 b = b / a - b;  
03 return b;

**Answer: e, f**

**Question: 2**

You have the following form:

```
<form method="get">
  <div>
    <label for="first">First Name:</label>
    <input type="text" id="first" name="firstName">
  </div>
  <div>
    <label for="Id">Last Name:</label>
    <input type="text" id="last" name="lastName">
  </div>
  <div>
    <input type="submit" value="Submit">
  </div>
</form>
```

A user fills out the form with 'John' in the first name and 'Doe' in the last name. Which URL will the form submit?

- a) <http://localhost:35132/Account/FormTest?firstName=John&lastName=Doe>
- b) <http://localhost:35132/Account/FormTest>
- c) <http://localhost:35132/Account/FormTest#first=John?last=Doe>
- d) <http://localhost:35132/Account/FormTest?first=John&last=Doe>

**Answer: a**

**Question: 3**

You are developing an application that relies on cookies. You need to design the page so that when a user opens the page and cookies are enabled, a cookie is submitted to indicate the last time the user visited the site.

The page needs to check for cookies. Which event should you use?

- a) onload
- b) onchange
- c) onselect
- d) onclick

**Answer: a**

## Question: 4

You are writing an engineering application. You need to create a function that will round numbers to 3 or more decimal places.

You need to create a function that receives the following two parameters:

- The value parameter is the number to be formatted
- The digits parameter is the number of digits to display

The function must return the value with the number of digits specified. Which function should you use?

A

```
function significance(value, digits) {  
    return value.toPrecision(digits);  
}
```

B

```
function significance(value, digits) {  
    return value.toString(digits);  
}
```

C

```
function significance(value, digits) {  
    return value.toFixed(digits);  
}
```

D

```
function significance(value, digits) {  
    return value.valueOf(digits);  
}
```

- a) Option A
- b) Option B
- c) Option C
- d) Option D

**Answer: c**

**Question: 5**

You are writing a JavaScript program for Contoso Suites that will output HTML. You need to output each room type on a new line using the correct method. You create the following code for the function.

Line numbers are included for reference only.

```
01 <html>
02 <body id="body">
03 <p id="para"><br></p>
04 <script>
05   var line = document.getElementById("para");
06   var rooms = ["Single", "Double", "Triple", "Suite"];
07   var i = 0;
08   for(i=0;i<rooms.length;i++){
09
10   }
11 </script>
12 </body>
13 </html>
```

You need to insert the correct code at Line 9. Which line should you use?

- a) `document.getElementById("body").innerHTML = rooms[i] + line.innerHTML;`
- b) `document.getElementById("para").innerHTML += rooms[i] + line.innerHTML;`
- c) `document.getElementById("para").innerHTML += i + rooms + line.innerHTML;`
- d) `document.getElementById("body").innerHTML += rooms + i;`

**Answer: b**

**Question: 6**

You are creating a dynamic HTML page by using JavaScript. Your page has an image of the sun. When the user's mouse pointer moves across the image of the sun, the image should change to the image of the moon.

When the user's mouse pointer is no longer over the image should change back to the image of the sun. You need to write the code for the image swap.

Which two events must you program for?

(Choose two.)

- a) `onmouseup`
- b) `onmouseout`
- c) `onmousedown`
- d) `onmouseover`
- e) `onmouseenter`

**Answer: b, d**

**Question: 7**

You are designing a web page with a script that must dynamically change the content of a paragraph element to display the value returned by the function `randomQuote()`.

You have created the following code. Line numbers are included for reference only.

```
01 <!DOCTYPE html>
02 <html>
03 <body>
04 <p id="tester" onclick="changeText()">Click to change the content.</p>
05 <input type="button" value="Change Text" onclick="changeText()" />
06 <script>
07 function changeText() {
08
09 }
10 </script>
11 </body>
12 </html>
```

Which code segment should you use at line 08?

- a) `document.getElementById("tester").value = randomQuote();`
- b) `document.getElementById("tester").title = randomQuote();`
- c) `document.getElementById("tester").innerHTML = randomQuote();`
- d) `document.getElementById("tester").script = randomQuote();`

**Answer: c**

**Question: 8**

You are using the `pushState()` function in the history object as follows:

```
history.pushState(stateObject, "My Page", "test.html");
```

The `stateObject` is 1 MB in size. You need to retain information needed by the user as long as the window is open. What should you do?

- a) Throw an `InternalError`.
- b) Use the `pushState()` function as is.
- c) Use `localStorage` instead.
- d) Use `sessionStorage` instead.

**Answer: d**

## Question: 9

You are creating a JavaScript program for an accounting system. You create the following code. Line numbers are included for reference only.

```
01 var firstName = "Jo";  
02 var lastName = "Berry";  
03 var while = Date.now();  
04 var color = "Red";  
05 var break = "No";
```

You evaluate the code to ensure that it follows JavaScript best practices. Which line should you change?

- a) 01
- b) 02
- c) 03
- d) 04
- e) 05

**Answer: c**

## Question: 10

This question requires that you evaluate the underlined text to determine if it is correct. You review the following JavaScript code:

```
var x = 15;
```

```
x %= 5;
```

When this code executes, the value of x is 0. Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- a) No change is needed
- b) the value of x is 3
- c) the value of x is 5
- d) the value of x is undefined

**Answer: a**

## Study Guide to Crack Microsoft Introduction to Programming Using JavaScript 98-382 Exam:

- Getting details of the 98-382 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the 98-382 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Microsoft provided training for 98-382 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the 98-382 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on 98-382 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

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