

## Answers to Module 1 Exercises

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1. Getting used to objects in JavaScript is very important. If you come across a JavaScript object, you should immediately ask the question what are the useful properties and methods available with the object and how to use the methods.

As an example, Math is a JavaScript object. The Math object has several properties and methods. One of the properties is PI, which gives you the value of  $\pi$ . One of Math methods is sqrt(), which takes one numeric argument and returns the square root of the argument.

Write a JavaScript program to display the value of PI and the square root of 24.5.

```
<!DOCTYPE html>
<html>
<head> <title>Exercise 1 </title> </head>
<body>
<h2>Values of PI and square root of 4.25</h2>
<script>
  document.write("<b>Value of PI is:</b> ",Math.PI);
  document.write("<p><b>Square root of 4.25 is:</b> ",Math.sqrt(4.25));
</script>
</body>
</html>
```

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2. Write a JavaScript program which displays your full name in blue color with screen color orange.

```
<!DOCTYPE html>
<html>
<head> <title>Exercise 2</title> </head>
<body>
<h2>My name</h2>
<script>
  document.write("John Smith");
  document.fgColor="blue;
  document.bgColor="orange";
</script>
</body>
</html>
```

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3. Write the values of the following expressions:

12+3+"West"	15West
12+3+"West"+3+4	15West34
12+"West"+4*3	12West12
12+3+"West"+3*5	15West15
12+3+"West"+1+2+3	15West123

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4. Write the values of:

parseInt("23")	23
parseInt("43.23")	43
parseInt("12B4")	12
parseInt("a23")	Error
parseInt("2356.7")	2356

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5. Write the values of:

parseFloat("2305")	2305
parseFloat("00.23")	0.23
parseFloat("12B4,56")	12
parseFloat("a23")	Error
parseFloat("2356.7")	2356.7

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5. Write a JavaScript program to display an alert box with the message, Good Morning!

```
<script>
  alert("Good Morning!")
</script>
```

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6 Write a JavaScript program, when you run, it will show prompt dialog boxes twice. It assigns the floating-point (decimal) values you type and converts the strings into numbers and displays their product (use \* for multiplication).

```
<script>
  num1 = prompt("Input a number","");
  num2 = prompt("Input another number","");
  document.write("product of the number:", parseFloat(num1)*parseFloat(num2));
</script>
```

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