Test Bank for Chapter 2

MULTIPLE CHOICE

1. Evaluate `8 % 7`

a. `8`   b. `7`   c. `1`   d. `56`

ANS: C

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2.   Given: `a = 4` and `b = 3`, evaluate:

           `(14 % a ) * a * b / 6 + (b * b)`

a. `13`   b. `25`   c. `15`   d. `12`

ANS: A

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3.   If **`car`** `= "Honda"`, how does the following expression evaluate:

           (**`car`** `< "Toyota");`

a. an error is generated   b. `"Honda"`   c. `true`   d. `false`

ANS: C

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4. If **`beverage`** = "tea", which of the following is true?

a. (**`beverage`** `!= "tea");`
b. `!(`**`beverage`** `!= "tea");`
c. (**`beverage`** `< "coffee");`
d. none of these are true

ANS: B

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5. Which is equivalent to (**`X`** `> 5)` given that **`X`** is a numeric variable.

a. (**`X`** `< 5)`
b. `!(`**`X`** `>= 5)`
c. `!(`**`X`** `<= 5)`
d. `!(`**`X`** `< 5)`

ANS: C

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6. Given that **`Y`** is a numeric variable, which of the following is NOT equivalent to:

                     (**`Y`** `<= 10)`

a. `(Y < 10) || (Y == 10)`
b. `(Y < 10) && (Y == 10)`
c. `!(Y > 10)`
d. `(Y > 5) && (Y < 11)`

ANS: D

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7. Which of the following will assign the variable named **timCall** to the sentence:

   > Tim called, "Lassie, come home!"

a. `var timCall = Tim called, "Lassie, come home!";`
b. `var timCall = "Tim called, "Lassie, come home!";`
c. `var timCall = (Tim called, "Lassie, come home!");`
d. `var timCall = 'Tim called, "Lassie, come home!"';`

ANS: D

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8. Which of the following is NOT a valid variable name?

a. **ClareWasAfraidOfThunder**
b. **dogs-rule**
c. **dogsRKing**
d. **one2three**

ANS: B

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9. Given the following code snippet, what will be displayed on the web page if the user enters `4` at the prompt?

```
var myNum = prompt("Enter a number:");
var result = myNum + myNum;
document.write(result);
```

a. `44`   b. `8`   c. `NaN`   d. `4`
                                               `4`

ANS: A

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10. Given the following code snippet, what will be displayed on the web page if the user enters `4` at the prompt?

```
var myNum = prompt("Enter a number:");
var result = myNum * myNum;
document.write(result);
```

a. `44`   b. `16`   c. `NaN`   d. `8`

ANS: B

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11. Given the following code snippet, what will be displayed on the web page?

```
var X = 23;
var Y = 3;
var Z = X + Y;
document.write(Z);
```

a. **26**   b. **233**   c. **NaN**   d. **23
3**

ANS: A

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12. Given the following code snippet, what will be displayed on the web page if the user enters `6.35` at the prompt?

```
var A = prompt("Enter a number:");
document.write(parseFloat(A) + ", ");
document.write(parseInt(A));
```

a. `6.35NaN`   b. `6.35
6`     c. `6.35, 6`     d. `6.35, 6.35`

ANS: C

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13. Given the following code snippet, what will be displayed on the web page if the user enters `55` at the prompt?

```
var result = "Yes!";
var multiply = prompt("What is 5 * 11?");
result = (parseInt(multiply) == 55)?"Correct":"Incorrect";
document.write(result);
```

a. `Correct`   b. `Incorrect`   c. `55`   d. `Yes!`

ANS: A

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14. Given the following code snippet, what will be displayed on the web page if the user enters `5Guys!` at the prompt?

```
var result = " ";
var guys = prompt("How many guys are there?");
result = (parseInt(guys);
```

```
        document.write(result);
```
a. 5Guys!   b.   5.0   c.   NaN   d.   5

ANS: D

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15. Which is the correct way to check if the variable **num** contains the value **123,456,789**?

a. **num** == 123456789;   b. **num** = 123456789;
c. **num** = parseInt(123456789);   d. num is too big to check

ANS: A

TRUE/FALSE

1. True/False: A program variable is the name of a storage location in the computer's internal memory.
ANS: T

2. True/False: Numeric variables in JavaScript can be either integers or floating point numbers.
ANS: T

3. True/False: JavaScript is a strongly typed language.
ANS: F

4. True/False: When a user enters a number at a prompt, it is stored initially as text.
ANS: T

5. True/False: The following statement would be considered true in JavaScript: "JACK" > "jack".
ANS: F

6. True/False: The conditional operator uses two symbols and takes three operands.
ANS: T

7. True/False: The charAt() function will tell you what a specific character is in a given string.
ANS: T

8. True/False: The correct way to identify the first character in a string variable named **word** is:
        var **letter** = charAt(**word**);
ANS: F

9. True/False: You may use either single or double quotes to enclose the value of the text in a string
    variable.
ANS: T

10. True/False: Logical operators must always be done in order from left to right.
ANS: F