Name	Period
Skill 19.01 Exercise 1	
What is the purpose of variable	es in computer programs?
Skill 10 02 Eversise 1	
Skill 19.02 Exercise 1 You want to create a number g	guessing game. When the game loads, a secret number will be generated. Then
	esses to identify the number. What variables would you need to store the
necessary data for the game?	
For each variable, write statem	nents to show how you would declare and/or initialize the variable
Skill 19.03 Exercise 1	
	ollowing variable declarations are legal or illegal. If it is illegal, indicate why.
code	legal/illegal
	regar/ megar
var 1231abc;	
var big-number;	
var name2;	
var myVar*2;	
2 = var myNum;	
var var;	

Skill 19.04 Exercise 1	Skill 19.04 Exercise 1		
For each of the following indicate what is printed as the output. If an error occurs, indicate the error.			
Code	Output		
var x = 10			
var y = x			
x = y			
<pre>console.log(y)</pre>			
var x = y = z = 5			
<pre>console.log(x)</pre>			
<pre>console.log(y)</pre>			
<pre>console.log(z)</pre>			
var a = 5			
console.log(a)			
var b = 10			
console.log(b)			
var c = a			
<pre>console.log(c)</pre>			
a = b			
b = c			
console.log(a)			
console.log(B)			
var score = 10;			
<pre>var score = 5;</pre>			
var score = 11;			
console.log(score)			

Skill 19.05 Exercise 1 Indicate what is printed for each of the following. If an error occurs, indicate the error and why. var x = 2var y = 3var z = x + yx = x + zconsole.log(x+1)var x = 1var y = 5var z = x - yx = x - zconsole.log(x-1)var x = 2var y = 3var z = x ** yx = x * zconsole.log(x*2)

var x = 9	
var y = 3	
var z = x/y	
x = x/z	
print(x/3)	
var x = 11	
var y = 3	
var z = x%y	
x = x%z	
print(x%2)	

Skill 19.06 Exercise 1		
What type of data is stored in each of the variables below?		
var a = 10;		
<pre>var b = "hello!";</pre>		
var x = "5" + "5";		
var z = 5 * 5 + "2"		
<pre>var c = true;</pre>		
var d = [1, 2, 3, 4, 5]		
var e = 3.14;		

Skill 19.07 Exercise 1

Write code to

- (a) Concatenate two strings 'Hello' and 'World' inside a console.log statement
- (b) Concatenate the strings 'Hello' and 'World' inside a console.log statement, but make sure to use string concatenation to also include a space (' ') between the two words.

```
Skill 19.08 Exercise 1
Indicate the output of the following

console.log(" Blah "+ 5+10 + " Blah Blah " + 5+10);

console.log(5*10 + " Blah Blah " + 5*10);

console.log(" Blah "+ 10-5 + " Blah Blah " + 10-5);
```

```
Skill 19.08 Exercise 2

Re-write the code segments below so that they calculate the arithmetic operations

console.log("Blah" + 5+10 + "Blah Blah" + 5+10);

console.log(5*10 + "Blah Blah" + 5*10 - 10);

console.log("Blah" + 2/5 + "blah" + 8/2 - 1)
```

Skill 19.08 Exercise 3

Does the code below work as intended? Why or why not?

```
var x = "5";
var y = "5";
console.log(x + y - 10);
```

Skill 19.09 Exercise 1

Write code prompt a user for two numbers. Assign the numbers to the variables num1 and num2. Log the following message to the user, "The difference is [indicate the value of the num2 – num1]"

Skill 19.10 Exercise 1 Re-write the following in pseudocode, var x = y = z = 5 console.log(x) console.log(y) console.log(z)