

Name _____ Period _____

Skill 20.01 Exercise 1

Indicate whether each of the following variable declarations are legal or illegal. If it is illegal, indicate why.

code	legal/illegal
var 1231abc;	
var big-number;	
var name2;	
var myVar*2;	
2 = var myNum;	
var var;	

Skill 20.01 Exercise 2

Write code to,

- (a) To declare a variable called score
- (b) To initialize the variable above to 0
- (c) Log the value of score to the console

Skill 20.01 Exercise 3

Write code to declare and initialize a variable called lives. Assign lives to zero.

Skill 20.01 Exercise 4

Write code to,

- (a) Declare a variable called name and assign your name to it.
- (b) Create a new variable called about, then assign a sentence about you to this variable. Do this on one line.
- (c) Log your name and about variables to the console.

Skill 20.02 Exercise 1

Write code to,

- (a) Create a new variable called age and assign your age to this variable
- (b) Inside of a console.log(), add 3 to your age. This is the age you'll be when we start sending people to live on Mars.
- (c) On a new line write another console.log(). Inside the parentheses, take the current year and subtract 1969. The answer is how many years it's been since the 1969 moon landing.
- (d) On a new line write another console.log(). Inside the parentheses, multiply 0.2708 by 100. That's the percent of the sun that is made up of helium. Assuming we could stand on the sun, we'd all sound like chipmunks!
- (e) Create one last console log, print the number that remains when your age is divided by 10.

Skill 20.03 Exercise 1

Write code to

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

Skill 20.03 Exercise 2

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 20.04 Exercise 2

The code does not work as intended. Fix the code.

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

Skill 20.05 Exercise 1

Use the example above to write code to

- (a) Prompt the user for additional information. For example, “What is your favorite food?”, “What is the most interesting place you have visited?”.
- (b) Write code to print the user’s name, along with the additional information to the console. Make sure it is properly spaced and legible.