

01.01 Lab Solution

1. type: number

- Variable names cannot have spaces.
- Value must be a number, so it cannot be \$10, which, is a string requiring quotes: '\$10'.

```
// let admission Fee = $10;  
let admissionFee = 10;  
console.log('1:', 'admissionFee', admissionFee, typeof(admissionFee));
```

2. type: string

- Variable names cannot have special characters (other than _ and \$).

```
// let #1sportsCar = "Porsche";  
let sportsCar1 = "Porsche";  
console.log('2:', 'sportsCar1', sportsCar1, typeof(sportsCar1));
```

3. type: boolean

- Variable names cannot have spaces.
- Boolean values (true, false) are lowercase.

```
// let is Online = FALSE;  
let isOnline = false;  
console.log('3:', 'isOnline', isOnline, typeof(isOnline));
```

4. type: number

- Variable names cannot have special characters (other than _ and \$).
- 22.5% percent as a decimal is .225, not 22.5

```
// let %done = 22.5%;  
let pctDone = .225;  
console.log('4:', 'pctDone', pctDone, typeof(pctDone));
```

5. type: undefined

- A variable without a value is undefined, so remove the value.

```
let password = "&123b45d";  
let password;  
console.log('5:', 'password', password, typeof(password));
```

6. type: string

- Variable names cannot start with a number.
- String values go in single or double quotes.

```
let 26miles = marathon;  
let miles26 = "marathon";  
console.log('5:', 'password', password, typeof(password));
```

7. type: string

- The \$ is allowed, so the variable name is fine, as is.
- String values go in single or double quotes.

```
// let $100000Bar = candy bar;  
let $100000Bar = "candy bar";  
console.log('7:', '$100000Bar', $100000Bar, typeof($100000Bar));
```

8. type: number

- Numeric values cannot have commas.

```
// let firstPrize = 7,500;  
let firstPrize = 7500;  
console.log('8:', 'firstPrize', firstPrize, typeof(firstPrize));
```

9. type: boolean

- i_Won is legal, although iWon (camel-case) is better
- Variable names cannot include !
- boolean values (true, false) are lowercase

```
// let i_Won! = True;  
let iWon = true;  
console.log('9:', 'iWon', iWon, typeof(iWon));
```

10. type: undefined

- A variable without a value is undefined, so remove the value.

```
// let greeting = Hola;  
let greeting;  
console.log('10:', 'greeting', greeting, typeof(greeting));
```

END 01.01 LAB SOLUTION

Next: Lesson 01.02