1. List the different types with an example of a value

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| **Type** | **Default Value** | **Example of Type** |
| String | Sequence of characters surrounded by quotes or double quotes, can also be span across multiple lines using \ | ‘this is a string’ |
| Numbers | As the name suggests, it is a number, numbers do not exist in ‘’ or “” as that would make them a string | 1+2=3 ; “1”+”2”=”12” |
| Booleans | True or false comparison, (‘truthy’ and ‘falsy’ values also accepted | ‘’ (empty string) would be a falsy value, ‘this is a string’ would be a truthy value |
| Null | A value that represents the absence of a value | Null |
| Undefined | Variable is empty | Variable = |
| Symbol | This is used as a unique identifier, even if multiple symbols have the same value they do not equal each other | Sym1 = symbol(1)  Sym2 = symbol(1)  Sym1 = sym2 : false |
| Object | An object is created to “nest” properties or what not into a variable, often “let” or  “const” is used before the variable | Let toyBox: {  Slinky;  Doll;  Marbles;  } |

1. Explain what happens when you add a string and a number? \_\_\_\_\_\_When adding the two, the numbers will be converted into strings (3+4+’5’=75)\_\_\_\_\_\_\_\_
2. How do you convert a string to a number? \_\_\_\_take away the “ ‘’ “s\_\_\_\_\_
3. What is the difference between a float and an int? \_\_float has a “.” , int is a whole number\_\_
   1. Give an example of why you would want to use each one. \_\_\_you would use an int as a whole number, where you might use a float if you need to specify a specific number that may be between 2 int’s (3.5)\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Give an example of adding "Hello" and "World" together to get "Hello World". \_\_\_\_”hello” + “world” = “hello world”\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Provide an example of an array literal. \_\_\_var myArray = [“hello world”]\_

1. Provide an example of an object literal. toyBox: {

Gun;

Action figure;

Legos;

}