

Weds 2/24/2021 Data Types Review Quiz Answers

1. What does it mean to say JavaScript is dynamically typed?

At runtime variables type is determined by what is dynamically assigned to them.

2. What does it mean to say JavaScript is loosely typed?

Do not have to specify types of variables in advance

3. Are null and undefined the same thing in JavaScript? What is the difference?

Null is assigned by programmer to indicate no known value yet. Undefined is the value given by the compiler to variables that have not been assigned a value.

4. What values are falsy? Truthy?

0, "", null, NaN, undefined, false, 0.0

Everything else

5. Is it better to use == or ===? Why?

=== because it does not do automatic type conversion

6. Write code that illustrates an error if you do not properly convert user input.

7. What will be the output of running following code?

```
let x=null;
let y;
console.log(typeof(x));
console.log(typeof(y));
console.log(x++);
y++;
console.log(x,y);
y=false;
console.log(x<y);
x+="2";
console.log(x);
console.log(x>y);
```