

Week 2 Research

1. What are the different loops JavaScript provides us with?

JavaScript provides us with the For loops, the While loop, and the Do While loop. [\[1\]](#)

2. What is the syntax of one of the loops in your above answer? How and when should you use this loop? Give an example.

A Do While loop allows you to repeat a set of instructions when you don't know exactly how many times the code should run, but you want to make sure the code runs at least once. The syntax for a While loop looks like:

```
variable  
  
do {  
    <code you want to run>  
}  
while (condition)
```

An example for using this loop might be, you want your code to print to console every 8 times the code has been run, until a variable has surpassed 100. The way you would go about coding that would be:

```
let variable = 24  
  
do {  
    if(variable % 8 == 0){  
        console.log(variable);  
    }  
    variable++;  
} while (variable < 100);
```

[\[2\]](#)