

Week 2 Research assignment

Questions:

- 1.) What are the different loops JavaScript provides us with?
- 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.
- 3.) What is the syntax of another one of the loops in your above answer? How and when should you use this loop? Give an example.
- 4.) What is the syntax of another one of the loops in your above answer? How and when should you use this loop? Give an example.
- 5.) What is your favorite thing you learned this week?

Answers:

1.) JavaScript provides us with 7 types of loops. Some of those are while(), map(), and do/while() loops. The others are for(), for/in(), for/each(), and for/of() loops.

2.) for() Loops allow us to perform actions/functions over and over again. They are useful when you know how many times you need the code to repeat or reiterate. It is made of 3 parts

- **for** (*variable initialization , condition that has to be met , what happens after first initialization*) {
whatever action/function to be performed };

3.) while() Loops also allow us to perform actions repeatedly. They are useful when you need to repeat code until a condition is met, but you're unsure of how many times it needs to iterate.

- **while** (*the condition to be met*) { whatever action/function to be performed };

4.) do/while() Loops will iterate at least once if the condition isn't true. It tells the computer to perform an action/function while a certain condition has to be met.

- **do** { *this action/function* } **while** (*this condition needs to be met*)

5.) My favorite thing I learned this week was the loop types. I learned a little about loops on StackSkills, but I couldn't understand them at all. I understand them better after putting some things to practice.

Bibliography and Sources

[what is syntax in programming - Search \(bing.com\)](#)

[while - JavaScript | MDN \(mozilla.org\)](#)

[All type of loops in JavaScript, a brief explanation \(voidcanvas.com\)](#)