What are the different loops JavaScript provides us with?

Javascript provides multiple loop functions. The "For" loop will run a block of code as long as the condition is a "False" value while comparing multiple expressions. The "For/in loops will iterate for specific values and data for an object or listing. The "For/of" loop will create a loop running through iterable objects like "Arrays" and other user-defined objects. "While" statements will run in a loop as long as the condition is in a "true" value. The "Do/while" statement will run minimum of one time until the specified conditions return false.

Ref: https://www.w3schools.com/js/js_loop_for.asp

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

The "do/while' syntax:

let i = 1

```
do {
    i = i + 2;
}    while (i <= 100);
console.log(i);
```

The statement is a looping code used when the results are needed before the loop runs, like a control sample. Confirming the start point is what was entered into the code prior to running. So the above example will run one time (i = 1) then run until it is no longer less than 100. The result is 1+2=3, 3+2=5, etc. until the sum reaches 101. An example would be tv, you're bored and turn on Netflix and it immediately shows a trending show, but you don't want to watch that show as it's boring. That would be the first run of a do/while which resulted in boredom = true. You scroll through 5 more shows before finding the one you want to watch which then results as boredom = false.

```
let i = 1
let uninterestingShow = 10
do {
    i = i + 1;
}    while (i <= uninterestingShow);
console.log(i)
```

This would equate to "i" scrolled through 11 uninteresting (true) shows until I found an interesting (uninteresting = false) show but because the process always start with one show before processing and checking again.

Ref: https://developer.arm.com/documentation/ka003727/latest#:~:text=The%20syntax%20for%20a%20do, valid%20C%20statement%20or%20block.

https://www.digitalocean.com/community/tutorials/java-do-while-loop