

Week 2 Research

1. What are the different loops Java provides us with?
 - Java provides us with 'for' loops, as well as 'while' and 'do while' loops.
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.
 - 'For' loops syntax consist of 3 statements. The first is executed one time initializes the code, statement two defines the condition for executing the code, and statement three either increments or decrements the code until the condition becomes false. This loop should be used if you have a predetermined end point in mind.

EX:

```
for (int i = 0; i <= 10; i- -) {  
    System.out.println(i);  
}
```

This statement will print i backwards from 10 until it hits 0.

Sources:

https://www.w3schools.com/java/java_for_loop.asp

<https://www.simplilearn.com/tutorials/java-tutorial/for-loop-in-java#:~:text=For%20loop%20in%20Java%20iterates,the%20condition%20is%20not%20met.>