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**Different Loops**

There are 3 different types of Loops; While, For, and Do While. In Jave the While Loop is continuously put out if the Boolean Condition is true or until its false. When false it marks the end of the loop. For example: if you have an int x = 3, and while is (x<=3). The system out printIn (“value of x:” + x): will end when x is greater than 3. The Output will show each value of x:1, Value of x:2, Value of x:3. When using For loop is almost the same as While loop but its structure is different. The structure is (initialization condition; testing condition; and increment/decrement). This will make the loop in one line making it a shorter structure. The Do While is an exit-controlled loop. Then it checks the condition after the loop exit. When checking the statement is true or false. If its false the condition of the loop will be terminated. If the line is true the next loop starts. When doing a Do loop the statement will run once before the contion is checked. An example of this: int x=3, the do while is systemout is (“Value of x:” + x); x++; and the while is (x<2); The output is value of x:3.

**References**

* <https://data-flair.training/blogs/loops-in-java/>
* <https://www.developer.com/java/data/using-different-types-of-java-loops-looping-in-java.html>
* <https://www.geeksforgeeks.org/loops-in-java/>