Loops Homework

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**What are different loops in Java and the reasons to use loops?**

1. **For Loop  
   2)While loop  
   3)Do-while loop  
   4)For-each loop**

Allows us to execute a block of code repeatedly. It prevents code duplication and time consuming.Loops always has a start and a termination point and it will terminate whenever termination point met false.

**What are differences between loops in Java?**

Difference between for loop and while loop is that in for loop the number of iterations to be done is already known and is used to obtain a certain result whereas in while loop the command runs until a certain condition is reached and the statement is proved to be false.

while loop may run zero or more times. Do - While may run more than one times but at least once.

**When do we use do-while loop instead of while loop?**

Do-while loops can be useful when you know you want the code to run at least once (a while loop will not run at all if the condition it checks for is false beforehand, but a do-while loop will run once before it checks)

**What are loop control statements?**

Loop control statements are used to change the flow of execution. These can be used if you wish to skip an iteration or stop the execution.

**break;**

break is used to terminate the loop

**continue;**

continue is used to skip only current iteration if a specified condition occurs, and continues with the next iteration in the loop.