Looping in C

Loops are used to repeat a block of code multiple times. The while loop checks the condition before executing the loop body and is used when the number of iterations is not known.

The for loop is used when the number of iterations is known in advance. It combines initialization, condition, and increment in one line.

The do-while loop executes the loop body at least once before checking the condition.

Loops reduce code repetition and improve program efficiency.