Feature	for Loop	while Loop	do-while Loop
Initialization	Initialization statement is included within the loop header.	Initialization statement is placed before the loop.	No initialization statement is within the loop header.
Condition	Condition is checked before every iteration.	Condition is checked before every iteration.	Condition is checked after every iteration.
Increment/Decrement	Increment/Decrement statement is included within the loop.	Increment/Decrement statement is placed within the loop.	Increment/Decrement statement is placed at the end.
Execution Control	All control expressions are defined in the loop header.	Control expressions may be scattered across the code.	Control expression is part of the loop header.
Applicability	Suitable for definite iteration with a known number of times.	Suitable for indefinite iteration where the number is unknown.	Suitable for situations where at least one iteration is required.
Usage Scenarios	Best used when the number of iterations is known beforehand.	Suitable for scenarios where the loop condition is complex or needs to be checked before entering the loop.	Appropriate when the loop body must execute at least once, regardless of the condition.
Syntax Example	**c for (int i = 0; i < 5; i++) { /* Code */ }**	**c int i = 0; while (i < 5) { /* Code */ i++; }**	**c int i = 0; do { /* Code */ i++; } while (i < 5);**