

## While-loop

Initialization - I

Condition Statement - II

Body of the loop - III

Update Statement - IV

## for loop

I      II      III  
{ Initialization; Condition; Update;  
  }  
  Body of loop (III)  
  }

As is visible both the loop follow the same order of step which is first initialize, then check the condition, if true then continue onto the body of the loop and finally the update statement.

∴ To convert a while loop into for loop is very simple, ~~you~~ Example

int k = 0; while (k <= 10) { cout << k; k++; }	for (int k = 0; k <= 10; k++) { cout << k; }
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~~The only difference is~~ As you can see the for loop allows for the initialization, update & the condition in the round bracket but the while loop allows only the condition & the initialization outside the loop while the update statement is part of the loop.