

Trailing Zeroes in C++										
<pre>#include <iostream> using namespace std; class TrailingZeroes { public: static void main() { int res = 1000; int n = 7; for (int i = 5; i <= n; i = i * 5) { res = res + n / i; } cout << "zeroes: " << res << endl; } }; int main() { TrailingZeroes::main(); return 0; }</pre>	<div>Dry Run for $n = 7$</div> <table><tr><th>i</th><th>n / i</th><th>res (cumulative)</th></tr><tr><td>5</td><td>$7 / 5 = 1$</td><td>$0 + 1 = 1$</td></tr><tr><td>25</td><td>$7 / 25 = 0$</td><td>loop ends</td></tr></table> <div>✓ Final answer: 1 trailing zero in 7!</div> <div><div>🖨️</div><div>Output (after fixing <code>res = 0</code>):</div></div> <div>zeroes: 1</div>	i	n / i	res (cumulative)	5	$7 / 5 = 1$	$0 + 1 = 1$	25	$7 / 25 = 0$	loop ends
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