

Statement	Example
Statement lists and block statements	<pre>static void Main() { F(); G(); { H(); I(); } }</pre>
Labeled statements and goto statements	<pre>static void Main(string[] args) { if (args.Length == 0) goto done; Console.WriteLine(args.Length); done: Console.WriteLine("Done"); }</pre>
Local constant declarations	<pre>static void Main() { const float pi = 3.14f; const int r = 123; Console.WriteLine(pi * r * r); }</pre>
Local variable declarations	<pre>static void Main() { int a; int b = 2, c = 3; a = 1; Console.WriteLine(a + b + c); }</pre>
Expression statements	<pre>static int F(int a, int b) { return a + b; } static void Main() { F(1, 2); // Expression statement }</pre>
if statements	<pre>static void Main(string[] args) { if (args.Length == 0) Console.WriteLine("No args"); else Console.WriteLine("Args"); }</pre>
switch statements	<pre>static void Main(string[] args) { switch (args.Length) { case 0: Console.WriteLine("No args"); break; case 1: Console.WriteLine("One arg "); break; default: int n = args.Length; Console.WriteLine("{0} args", n); break; } }</pre>
while statements	<pre>static void Main(string[] args) { int i = 0; while (i < args.Length) { Console.WriteLine(args[i]); i++; } }</pre>
do statements	<pre>static void Main() { string s; do { s = Console.ReadLine(); } while (s != "Exit"); }</pre>

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for statements	<pre>static void Main(string[] args) { for (int i = 0; i < args.Length; i++) Console.WriteLine(args[i]); }</pre>
foreach statements	<pre>static void Main(string[] args) { foreach (string s in args) Console.WriteLine(s); }</pre>
break statements	<pre>static void Main(string[] args) { int i = 0; while (true) { if (i == args.Length) break; Console.WriteLine(args[i++]); } }</pre>
continue statements	<pre>static void Main(string[] args) { int i = 0; while (true) { Console.WriteLine(args[i++]); if (i < args.Length) continue; break; } }</pre>
return statements	<pre>static int F(int a, int b) { return a + b; } static void Main() { Console.WriteLine(F(1, 2)); return; }</pre>
throw statements and try statements	<pre>static int F(int a, int b) { if (b == 0) throw new Exception("Divide by zero"); return a / b; } static void Main() { try { Console.WriteLine(F(5, 0)); } catch (Exception e) { Console.WriteLine("Error"); } }</pre>
checked and unchecked statements	<pre>static void Main() { int x = Int32.MaxValue; Console.WriteLine(x + 1); // Overflow checked { Console.WriteLine(x + 1); // Exception } unchecked { Console.WriteLine(x + 1); // Overflow } }</pre>
lock statements	<pre>static void Main() { A a = foo; lock(a) { a.P = a.P + 1; } }</pre>
using statements	<pre>static void Main() { using (Resource r = new Resource()) { r.F(); } }</pre>