

# Syntax

Statement	Syntax	Reason
begin of scope	{	Uses the syntax of the most common modern programming languages - fast to write (one char)
end of scope	}	
while	<p>The while statement executes an Expression and a Statement repeatedly until the value of the Expression is false</p> <pre>int a a := 0  while (expression) {     statement }</pre>	Makes sense in form of english gramma notation and used in most languages today
switch	<p>The switch statement transfers control to one of several statements depending on the value of an expression. When one case been executed the switch is exited.</p> <pre>switch(expression) {     case a: statement1     (implicit break)     case b: statement2     (implicit break)      default statement3     (implicit break) }</pre>	Switch statements are very useful in the Arduino environment - automatically provides a break as you don't want users to accidentally fall-through.
AND	<p>The conditional-and operator AND evaluates true if both values are true.</p> <pre>true AND true</pre>	Common logical statement - must have
OR	<p>The conditional-or operator OR evaluates true if either of the values are true or false.</p> <pre>true OR false true OR true</pre>	Common logical statement - must have
else	<p>If the value is true, then the first contained Statement (the one before the else keyword) is executed.</p> <pre>if (expression) {     statement }  else {     statement }</pre>	Common logical statement - must have