

Arduino programming language can be divided in three main parts: functions, values (variables and constants), and structure.

FUNCTIONS

For controlling the Arduino board and performing computations.

Digital I/O <code>digitalRead()</code> <code>digitalWrite()</code> <code>pinMode()</code>	Analog I/O <code>analogRead()</code> <code>analogReference()</code> <code>analogWrite()</code>	Time <code>delay()</code> <code>delayMicroseconds()</code> <code>micros()</code> <code>millis()</code>	Communication <code>Serial</code> <code>Stream</code>
--	---	--	---

VARIABLES

Arduino data types and constants.

Data Types <code>array</code> <code>bool</code>	Variable Scope & Qualifiers <code>const</code>	Conversion <code>(unsigned int)</code> <code>(unsigned long)</code>
---	---	---

boolean	scope	byte()
byte	static	char()
char	volatile	float()
double		int()
float		long()
int		word()
long		
short		
size_t		
string		
String()		
unsigned char		
unsigned int		
unsigned long		
void		
word		

STRUCTURE

The elements of Arduino (C++) code.

Sketch loop()	Control Structure	Bitwise Operators & (bitwise and)	Further Syntax #define (define)
------------------	----------------------	--------------------------------------	------------------------------------

setup()	break	<< (bitshift left)	#include (include)
	continue	>> (bitshift right)	/* */ (block comment)
	do...while	^ (bitwise xor)	// (single line comment)
	else	(bitwise or)	; (semicolon)
	for	~ (bitwise not)	{ } (curly braces)
	goto		
	if		
	return		
	switch...case		
	sizeof		
	se		
	while		