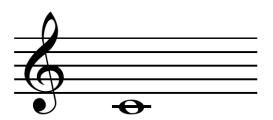
Let's Make Music - Crib Sheet

Table of Name of Notes (low to high)

Table of computer notes by name							
Table of computer notes, by name							
low←──							>high
В0	B1	B2	в3	В4	B5	В6	В7
C1	C2	С3	C4	C5	C6	C7	C8
CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8
D1	D2	D3	D4	D5	D6	D7	D8
DS1	DS2	DS3	DS4	DS5	DS6	DS7	DS8
E1	E2	E 3	E4	E5	E6	E7	
F1	F2	F3	F4	F5	F6	F7	
FS1	FS2	FS3	FS4	FS5	FS6	FS7	
G1	G2	G3	G4	G5	G6	G7	
GS1	GS2	GS3	GS4	GS5	GS6	GS7	
A1	A2	A 3	A4	A 5	A 6	A 7	
AS1	AS2	AS3	AS4	AS5	AS6	AS7	

"C4" is middle C, That is:



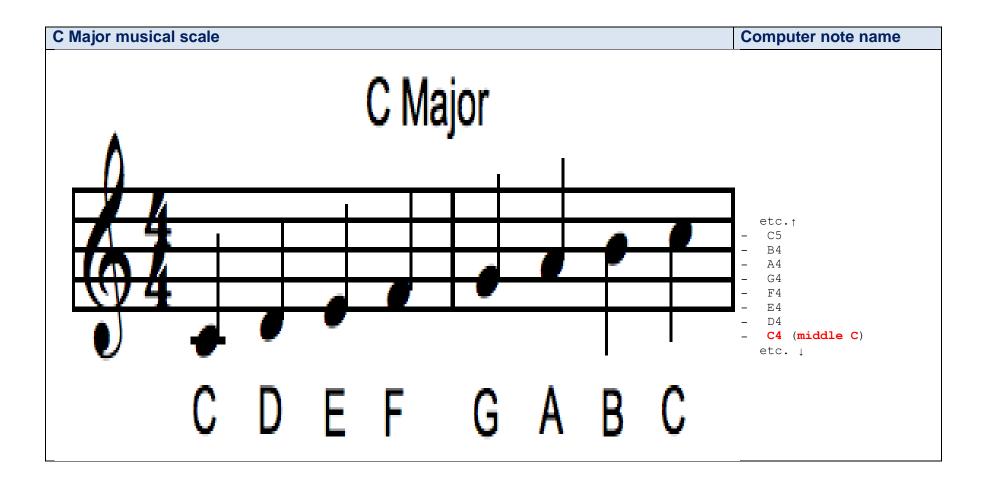


Table of Computer Note & Rest Names, Values, Beats & Symbols

Note duration name	Note/Rest duration time computer name	Note/Rest values	Note/Rest value	Number of beats	Note symbol	Rest symbol
Semi-brieve	semib	Whole note/rest	1	4 beats	o	_
Dotted minim	dot_minim	Three quarter note/rest	3/4	3 beats	J.	:
Minim	minim	Half note/rest	1/2	2 beats		_
Crotchet	crot	Quarter note/rest	1/4	1 beat		\$
Quaver	quav	Eight note/rest	1/8	1/2 beat	>	7
Semiquaver	semiq	Sixteenth note/rest	1/16	1/4 beat	A	7

Durations may be compounded and/or arithmetically adjusted in all music commands (play and rest). For example,

In-built computer tempos

Computer tempo	Number	Other computer	Comments
names	beats per	names	
	minute		
grave	40		
largo	46		
lento	52		The time interval for a crotch is automatically calculated as:
adagio	56		60/tempo.
larghetto	60		
adagietto	66		Other notes are then calculated based on the crotchet value.
andante	72		
andantino	80		Use set_tempo to change tempo value for notes and rests.
maestroso	88		Note that any tampa value may be set as
moderato	100		Note that any tempo value may be set, e.g.
allegretto	104		got tompo(dofoult tompo * 1 5).
animato	120	default_tempo	<pre>set_tempo(default_tempo * 1.5); set_tempo(190);</pre>
allegro	132		set_tempo(190); set tempo(adagio * 2);
allegro_assai	144		set tempo(95);
vivace	160		etc.
presto	184		
prestissimo	208		

Music commands

Command	Parameters	Description	Examples
play	note name, note duration	Plays the given note for the given duration. Time duration can be given explicitly as	play(C4, minim); play(FS3, 3.5); // play for 3.5
	time	seconds/fraction of seconds or as a computer note/rest value, see table above - Computer Note & Rest Name Values.	beats
rest	rest duration	Rests for the given duration (period of silence).	rest(crot);
	time	Time duration can be given explicitly as	rest(minim+quav);
		seconds/fraction of seconds or as a computer note/rest name value.	rest(4);
set_tempo	tempo time	Sets the tempo for playing notes/rests. The	<pre>set_tempo(default_tempo);</pre>
		'default tempo' is 120 beats per minute (animato).	<pre>set_tempo(default_tempo * 1.5);</pre>
		The currently set tempo may be queried at any time by	<pre>set_tempo(allegro);</pre>
		reference to the variable 'current_tempo'.	
trill	note_1,	performs a trill with the given two notes for the given	trill(C4, CS4, crot);
	note_2,	duration, eg trill(C4, CS4, minim), trill(E3,	trill(E2, F2, minim);
	note duration	F3, quav), etc. By default and OOTB, the trill	trill(D5, E5, quav);
		performs eight note changes per crotchet, or part	
		thereof, depending on the duration given in its function	
		call, irrespective of the tempo set. If fewer or more note	
		changes per crotchet are required then reset the	
		<pre>definition 'trills_per_crotchet'.</pre>	
		The computer will wait for the given duration time	wait(3.5);
wait	duration time	during which time no new commands can be executed.	wait(0.25);
WOILC	daracron crine	Note that any lights set to flash will continue to flash while the wait command is pending.	<pre>wait(crot); // wait for 1 beat</pre>

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