

MORSE.BAS

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```
100 'SAMPLE PROGRAM TO DEMONSTRATE THE MAXIMITE
105 'Morse code - MORSE.BAS 20101211 Ver 1:00 Reg Gauci
110 '
115 'A dash = 3 dots.
120 'The space between the signals forming the same letter is equal to 1 dot
125 'The space between 2 letters is equal to 3 dots
130 'The space between 2 words is equal to 7 dots
135 'Change freq to change frequency (Hz) of the sound
140 'Change dit to change the tone spacing
145 freq = 2000 : dit = 40 : dah = dit*3 : WORDdelay = dit*3 : LINEdelay =
dit*7
150 '
155 DIM morse$(122)
160 FOR A = 32 TO 122
165     READ morse$(A)
170 NEXT A
175 '
180 CLS
185 PRINT
190 PRINT:PRINT "Illegal characters are ignored." :PRINT
195 PRINT "CTRL+C to exit"
200 PRINT:PRINT "Type a message and see it appear as Morse Code." :PRINT
205 INPUT "What is your message "; message$
210 PRINT
215 '
220 L = LEN(message$)                                'L equals the number of
character in the message
225 '
230 FOR char = 1 TO L                                'Loop L times
235     ch$ = morse$(ASC(MID$(message$,char,1)))      'enter the value of the read
character from morse$ into chr$
240 '
245     FOR ditdah = 1 TO LEN(ch$)                    'Loop for the number of dots
and dashes in morse$
250         IF MID$(ch$, ditdah, 1) = " " THEN      'if a space is encountered
print a space and pause for WORDdelay
255             PRINT " ";
260             PAUSE WORDdelay
265         ELSE
270             IF MID$(ch$, ditdah, 1) = "." THEN  'if a dot is encountered
print a dit sound a dit and pause for length of a dit + WORDdelay
275                 PRINT ".";
280                 SOUND freq, dit
285                 PIN(0) = 1
```

```
290      PAUSE dit
295      PIN(0) = 0
300      PAUSE WORDdelay
305      ELSE
310          PRINT "-";                                'otherwise it is a dah print
a dah sound a dah and pause for length of a dah + WORDdelay
315          SOUND freq, dah
320          PIN(0) = 1
325          PAUSE dah
330          PIN(0) = 0
335          PAUSE WORDdelay
340      ENDIF
345  ENDIF
350  NEXT ditdah
355 PRINT " ";
360 NEXT char                                'loop until all Morse items
for current input are done
365 '
370 PRINT " ";
375 PAUSE LINEdelay                            'Pause for the lenght of
Wspc
380 '
385 PRINT : PRINT
390 INPUT "Go again (Y/N)"; Z$: IF UCASE$(LEFT$(Z$, 1))="Y" THEN 195
395 END
400 '
405 '
410
.....
.....

415  DATA  " "      '      space  32
420  DATA  ""      '      !      33
425  DATA  ".-.-.-" '      "      34      Quotation
430  DATA  ""      '      #      35
435  DATA  ""      '      $      36
440  DATA  ""      '      %      37
445  DATA  ""      '      &      38
450  DATA  ".-----" '      '      39      Apostrophy
455  DATA  "-.-.-.-" '      (      40      Bracket
460  DATA  "-.-.-.-" '      )      41      Bracket
465  DATA  ""      '      *      42
470  DATA  ""      '      +      43
475  DATA  "--.-.-.-" '      ,      44      Comma
480  DATA  "-.-.-.-" '      -      45      Hyphen
485  DATA  ".-.-.-.-" '      .      46      Full Stop
490  DATA  "-.-.-.-" '      /      47      Slash
495  DATA  "-----" '      0      48
500  DATA  ".-----" '      1      49
505  DATA  "..----"  '      2      50
510  DATA  "...--"   '      3      51
515  DATA  "....-"   '      4      52
```

520	DATA	.....	'	5	53	
525	DATA	-.....	'	6	54	
530	DATA	--....	'	7	55	
535	DATA	---...	'	8	56	
540	DATA	----.	'	9	57	
545	DATA	-----	'	:	58	Colon
550	DATA	""	'	;	59	
555	DATA	""	'	<	60	
560	DATA	-....-	'	=	61	Equal
565	DATA	""	'	>	62	
570	DATA	..-.-.	'	?	63	Question
575	DATA	..-.-.	'	@	64	AT
580	DATA	.-	'	A	65	
585	DATA	-...	'	B	66	
590	DATA	-.-.	'	C	67	
595	DATA	-..	'	D	68	
600	DATA	.	'	E	69	
605	DATA	..-.	'	F	70	
610	DATA	--.	'	G	71	
615	DATA	....	'	H	72	
620	DATA	..	'	I	73	
625	DATA	..--	'	J	74	
630	DATA	-.-	'	K	75	
635	DATA	.....	'	L	76	
640	DATA	--	'	M	77	
645	DATA	-.	'	N	78	
650	DATA	---	'	O	79	
655	DATA	..-.	'	P	80	
660	DATA	--.-	'	Q	81	
665	DATA	.-.	'	R	82	
670	DATA	...	'	S	83	
675	DATA	-	'	T	84	
680	DATA	..-	'	U	85	
685	DATA	...-	'	V	86	
690	DATA	..-	'	w	87	
695	DATA	-...-	'	X	88	
700	DATA	-.--	'	Y	89	
705	DATA	--...	'	Z	90	
710	DATA	""	'	[	91	
715	DATA	""	'	\	92	
720	DATA	""	'	]	93	
725	DATA	""	'	^	94	
730	DATA	""	'	_	95	
735	DATA	""	'	`	96	
740	DATA	.-	'	a	97	
745	DATA	-...	'	b	98	
750	DATA	-.-.	'	c	99	
755	DATA	-..	'	d	100	
760	DATA	.	'	e	101	
765	DATA	..-.	'	f	102	
770	DATA	--.	'	g	103	

775	DATA	. . . .	'	h	104
780	DATA	. .	'	i	105
785	DATA	. - - -	'	j	106
790	DATA	- . -	'	k	107
795	DATA	. - . .	'	l	108
800	DATA	- -	'	m	109
805	DATA	- .	'	n	110
810	DATA	- - -	'	o	111
815	DATA	. - - .	'	p	112
820	DATA	- - . -	'	q	113
825	DATA	. - .	'	r	114
830	DATA	. . .	'	s	115
835	DATA	-	'	t	116
840	DATA	. . -	'	u	117
845	DATA	. . . -	'	v	118
850	DATA	. - -	'	w	119
855	DATA	- . . -	'	x	120
860	DATA	- . - -	'	y	121
865	DATA	- - . .	'	z	122

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