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PROGRAM NAME: INTERNATIONAL MORSE CODE/REYES

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1 REM - INTERNATIONAL MORSE CODE PROGRAM BY PHIL REYES, KH6PR, HAWAII, 7/78
2 REM - PROGRAMMED ON AN H11 COMPUTER
10 PRINT "*** * ***' *      *** *** * ***      *** * ***' *      *** *** * ***"
20 PRINT "      C          Q          C          Q"
21 PRINT
30 PRINT "      *** * *      *"
40 PRINT "      D          E"
41 PRINT
50 PRINT "*** * ***      * * * *      *** * * * *      * *** *** *      * *** *"
60 PRINT "      K          H          6          P          R"
70 FOR X=1 TO 2500:NEXT X
80 PRINT
90 PRINT "THE PURPOSE OF THIS PROGRAM IS TO ASSIST IN LEARNING OR REVIEWING"
100 PRINT "THE INTERNATIONAL MORSE CODE. THE PROGRAM CONSISTS OF TWO PARTS:"
105 PRINT
110 PRINT "      (PART 1) - LEARNING THE MORSE CODE ALPHABETS AND NUMERALS."
120 PRINT "      (PART 2) - THE COMPUTER WILL RANDOMLY SELECT CODES AND YOU"
130 PRINT "      ARE TO INPUT THE CORRESPONDING ALPHABETS/NUMERALS."
140 PRINT
160 PRINT "PART (1) OR (2)  ";
170 INPUT P:IF P=2 THEN 2000
1000 PRINT \PRINT "(PART 1): IN THIS PART WE WILL LEARN THE MORSE CODES IN"
1001 PRINT "GROUPS OF SIX (6). YOU CAN ACCESS ANY OF THESE GROUPS BY TYPING"
1002 PRINT "THE GROUP NUMBER AND HITTING 'RETURN'. BY ENTERING ZERO (0), THE"
1003 PRINT "COMPUTER WILL SELECT THE GROUPS IN SEQUENTIAL ORDER. HAVE FUN!"
1100 PRINT
1110 PRINT "GROUP #1: E I S H 5 Z          GROUP #4: F 2 V 3 4 N"
1111 PRINT "GROUP #2: T M O O A R          GROUP #5: D B 6 8 9 X"
1112 PRINT "GROUP #3: L W J 1 P U          GROUP #6: G Q 7 K C Y"
1200 PRINT \GO TO 1390
1300 PRINT "ENTER '0' OR GROUP NUMBER ";INPUT G:PRINT
1301 IF G=1 THEN 1400 \IF G=2 THEN 1500 \IF G=3 THEN 1600
1302 IF G=4 THEN 1700 \IF G=5 THEN 1800 \IF G=6 THEN 1900
1303 RETURN
1390 GOSUB 1300
1400 PRINT "GROUP I: E I S H 5 Z"
1401 PRINT
1410 PRINT TAB(10);"E";TAB(25);"***          (DIT)"
1411 PRINT TAB(10);"I";TAB(25);"* *          (DI DIT)"
1412 PRINT TAB(10);"S";TAB(25);"* * *          (DI DI DIT)"
1413 PRINT TAB(10);"H";TAB(25);"* * * *          (DI DI DI DIT)"
1414 PRINT TAB(10);"5";TAB(25);"* * * * *          (DI DI DI DI DIT)"
1415 PRINT TAB(10);"Z";TAB(25);"*** *** * *          (DAH DAH DI DIT)"
1416 PRINT
1490 GOSUB 1300
1500 PRINT "GROUP II: T M O O A R"
1501 PRINT
1510 PRINT TAB(10);"T";TAB(25);"***          (DAH)"
1511 PRINT TAB(10);"M";TAB(25);"*** ***          (DAH DAH)"
1512 PRINT TAB(10);"O";TAB(25);"*** *** ***          (DAH DAH DAH)"
1513 PRINT TAB(10);"O ZERO";TAB(25);"*** *** *** *** *** (DAH DAH DAH DAH DAH)"
1514 PRINT TAB(10);"A";TAB(25);"* ***          (DI DAH)"
1515 PRINT TAB(10);"R";TAB(25);"* *** *          (DI DAH DIT)"
1516 PRINT
1590 GOSUB 1300
1600 PRINT "GROUP III: L W J 1 P U"
1601 PRINT
1610 PRINT TAB(10);"L";TAB(25);"* *** * *          (DI DAH DI DIT)"
1611 PRINT TAB(10);"W";TAB(25);"* *** ***          (DI DAH DAH)"
1612 PRINT TAB(10);"J";TAB(25);"* *** *** ***          (DI DAH DAH DAH)"
1613 PRINT TAB(10);"1";TAB(25);"* *** *** *** ***          (DI DAH DAH DAH DAH)"
1614 PRINT TAB(10);"P";TAB(25);"* *** *** *          (DI DAH DAH DIT)"
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1615 PRINT TAB(10);"U";TAB(25);"* * ***" (DI DI 'DAH)'"
1616 PRINT
1690 GOSUB 1300
1700 PRINT "GROUP IV: F 2 V 3 4 N"
1701 PRINT
1710 PRINT TAB(10);"F";TAB(25);"* * *** *" (DI DI DAH DIT)'"
1711 PRINT TAB(10);"2";TAB(25);"* * *** *** ***" (DI DI DAH DAH DAH)'"
1712 PRINT TAB(10);"V";TAB(25);"* * * ***" (DI DI DI DAH)'"
1713 PRINT TAB(10);"3";TAB(25);"* * * *** ***" (DI DI DI DAH DAH)'"
1714 PRINT TAB(10);"4";TAB(25);"* * * ***" (DI DI DI DI DAH)'"
1715 PRINT TAB(10);"N";TAB(25);"**** *" (DAH DIT)'"
1716 PRINT
1790 GOSUB 1300
1800 PRINT "GROUP V: D B 6 8 9 X"
1801 PRINT
1810 PRINT TAB(10);"D";TAB(25);"**** * *" (DAH DI DIT)'"
1811 PRINT TAB(10);"B";TAB(25);"**** * * *" (DAH DI DI DIT)'"
1812 PRINT TAB(10);"6";TAB(25);"**** * * * *" (DAH DI DI DI DIT)'"
1813 PRINT TAB(10);"8";TAB(25);"**** *** *** * *" (DAH DAH DAH DI DIT)'"
1814 PRINT TAB(10);"9";TAB(25);"**** *** *** *** *" (DAH DAH DAH DAH DIT)'"
1815 PRINT TAB(10);"X";TAB(25);"**** * * ***" (DAH DI DI DAH)'"
1816 PRINT
1890 GOSUB 1300
1900 PRINT "GROUP VI: G Q 7 K C Y"
1901 PRINT
1910 PRINT TAB(10);"G";TAB(25);"**** *** *" (DAH DAH DIT)'"
1911 PRINT TAB(10);"Q";TAB(25);"**** *** * ***" (DAH DAH DI DAH)'"
1912 PRINT TAB(10);"7";TAB(25);"**** *** * * *" (DAH DAH DI DI DIT)'"
1913 PRINT TAB(10);"K";TAB(25);"**** * ***" (DAH DI DAH)'"
1914 PRINT TAB(10);"C";TAB(25);"**** * ***' *" (DAH DI DAH DIT) NOTE 1'"
1915 PRINT TAB(10);"Y";TAB(25);"**** * *** ***" (DAH DI DAH DAH)'"
1916 PRINT \PRINT "NOTE 1: NOTE THAT THE 3RD ELEMENT IS ACCENTED"
1917 PRINT
1990 GOSUB 1300
1997 GO TO 160
2000 PRINT \PRINT "(PART 2): THE COMPUTER WILL RANDOMLY SELECT CODES AND YOU"
2010 PRINT "ARE TO INPUT THE CORRESPONDING ALPHABET OR NUMERAL. YOU WILL BE"
2020 PRINT "GIVEN THREE CHANCES. GOOD LUCK. TO TERMINATE, TYPE 'STOP' AND"
2021 PRINT "HIT 'RETURN'. NOTE: (*=DIT, ***=DAH) * *** = DI DAH"
2025 PRINT \PRINT
2030 X=INT(37*VRND(0))\W=0
2031 IF X=0 THEN 2050 \IF X=1 THEN 2051 \IF X=2 THEN 2052 \IF X=3 THEN 2053
2032 IF X=4 THEN 2054 \IF X=5 THEN 2055 \IF X=6 THEN 2056 \IF X=7 THEN 2057
2033 IF X=8 THEN 2058 \IF X=9 THEN 2059 \IF X=10 THEN 2060 \IF X=11 THEN 2061
2034 IF X=12 THEN 2062 \IF X=13 THEN 2063 \IF X=14 THEN 2064
2035 IF X=15 THEN 2065 \IF X=16 THEN 2066 \IF X=17 THEN 2067
2036 IF X=18 THEN 2068 \IF X=19 THEN 2069 \IF X=20 THEN 2070
2037 IF X=21 THEN 2071 \IF X=22 THEN 2072 \IF X=23 THEN 2073
2038 IF X=24 THEN 2074 \IF X=25 THEN 2075 \IF X=26 THEN 2076
2039 IF X=27 THEN 2077 \IF X=28 THEN 2078 \IF X=29 THEN 2079
2040 IF X=30 THEN 2080 \IF X=31 THEN 2081 \IF X=32 THEN 2082
2041 IF X=33 THEN 2083 \IF X=34 THEN 2084 \IF X=35 THEN 2085
2050 PRINT TAB(35);"* ***\GO TO 2100
2051 PRINT TAB(35);"*** * * *\GO TO 2110
2052 PRINT TAB(35);"*** * ***' *\GO TO 2120
2053 PRINT TAB(35);"*** * *\GO TO 2130
2054 PRINT TAB(35);"***\GO TO 2140
2055 PRINT TAB(35);"* * *** *\GO TO 2150
2056 PRINT TAB(35);"*** *** *\GO TO 2160
2057 PRINT TAB(35);"* * * *\GO TO 2170
2058 PRINT TAB(35);"* *\GO TO 2180
2059 PRINT TAB(35);"* *** *** *\GO TO 2190
2060 PRINT TAB(35);"*** * ***\GO TO 2200
2061 PRINT TAB(35);"* *** * *\GO TO 2210
2062 PRINT TAB(35);"*** ***\GO TO 2220
2063 PRINT TAB(35);"*** *\GO TO 2230
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2064 PRINT TAB(35);'*** *** ***\GO TO 2240
2065 PRINT TAB(35);'* *** *** *\GO TO 2250
2066 PRINT TAB(35);'*** *** * ***\GO TO 2260
2067 PRINT TAB(35);'* *** *\GO TO 2270
2068 PRINT TAB(35);'* * *\GO TO 2280
2069 PRINT TAB(35);'***\GO TO 2290
2070 PRINT TAB(35);'* * ***\GO TO 2300
2071 PRINT TAB(35);'* * * ***\GO TO 2310
2072 PRINT TAB(35);'* *** ***\GO TO 2320
2073 PRINT TAB(35);'*** * * ***\GO TO 2330
2074 PRINT TAB(35);'*** * *** ***\GO TO 2340
2075 PRINT TAB(35);'*** *** * *\GO TO 2350
2076 PRINT TAB(35);'* *** *** *** *\GO TO 2360
2077 PRINT TAB(35);'* * *** *** ***\GO TO 2370
2078 PRINT TAB(35);'* * * *** ***\GO TO 2380
2079 PRINT TAB(35);'* * * * ***\GO TO 2390
2080 PRINT TAB(35);'* * * * *\GO TO 2400
2081 PRINT TAB(35);'*** * * * *\GO TO 2410
2082 PRINT TAB(35);'*** *** * * *\GO TO 2420
2083 PRINT TAB(35);'*** *** *** * *\GO TO 2430
2084 PRINT TAB(35);'*** *** *** *** *\GO TO 2440
2085 PRINT TAB(35);'*** *** *** *** ***\GO TO 2450
2100 INPUT A$;IF A$='A' THEN 3000 \B$='A'\GO TO 4000
2110 INPUT A$;IF A$='B' THEN 3000 \B$='B'\GO TO 4000
2120 INPUT A$;IF A$='C' THEN 3000 \B$='C'\GO TO 4000
2130 INPUT A$;IF A$='D' THEN 3000 \B$='D'\GO TO 4000
2140 INPUT A$;IF A$='E' THEN 3000 \B$='E'\GO TO 4000
2150 INPUT A$;IF A$='F' THEN 3000 \B$='F'\GO TO 4000
2160 INPUT A$;IF A$='G' THEN 3000 \B$='G'\GO TO 4000
2170 INPUT A$;IF A$='H' THEN 3000 \B$='H'\GO TO 4000
2180 INPUT A$;IF A$='I' THEN 3000 \B$='I'\GO TO 4000
2190 INPUT A$;IF A$='J' THEN 3000 \B$='J'\GO TO 4000
2200 INPUT A$;IF A$='K' THEN 3000 \B$='K'\GO TO 4000
2210 INPUT A$;IF A$='L' THEN 3000 \B$='L'\GO TO 4000
2220 INPUT A$;IF A$='M' THEN 3000 \B$='M'\GO TO 4000
2230 INPUT A$;IF A$='N' THEN 3000 \B$='N'\GO TO 4000
2240 INPUT A$;IF A$='O' THEN 3000 \B$='O'\GO TO 4000
2250 INPUT A$;IF A$='P' THEN 3000 \B$='P'\GO TO 4000
2260 INPUT A$;IF A$='Q' THEN 3000 \B$='Q'\GO TO 4000
2270 INPUT A$;IF A$='R' THEN 3000 \B$='R'\GO TO 4000
2280 INPUT A$;IF A$='S' THEN 3000 \B$='S'\GO TO 4000
2290 INPUT A$;IF A$='T' THEN 3000 \B$='T'\GO TO 4000
2300 INPUT A$;IF A$='U' THEN 3000 \B$='U'\GO TO 4000
2310 INPUT A$;IF A$='V' THEN 3000 \B$='V'\GO TO 4000
2320 INPUT A$;IF A$='W' THEN 3000 \B$='W'\GO TO 4000
2330 INPUT A$;IF A$='X' THEN 3000 \B$='X'\GO TO 4000
2340 INPUT A$;IF A$='Y' THEN 3000 \B$='Y'\GO TO 4000
2350 INPUT A$;IF A$='Z' THEN 3000 \B$='Z'\GO TO 4000
2360 INPUT A$;IF A$='1' THEN 3000 \B$='1'\GO TO 4000
2370 INPUT A$;IF A$='2' THEN 3000 \B$='2'\GO TO 4000
2380 INPUT A$;IF A$='3' THEN 3000 \B$='3'\GO TO 4000
2390 INPUT A$;IF A$='4' THEN 3000 \B$='4'\GO TO 4000
2400 INPUT A$;IF A$='5' THEN 3000 \B$='5'\GO TO 4000
2410 INPUT A$;IF A$='6' THEN 3000 \B$='6'\GO TO 4000
2420 INPUT A$;IF A$='7' THEN 3000 \B$='7'\GO TO 4000
2430 INPUT A$;IF A$='8' THEN 3000 \B$='8'\GO TO 4000
2440 INPUT A$;IF A$='9' THEN 3000 \B$='9'\GO TO 4000
2450 INPUT A$;IF A$='0' THEN 3000 \B$='0'\GO TO 4000
3000 PRINT 'VERY GOOD'\GO TO 2030
4000 IF A$='STOP' THEN 5000 \M=M+1;IF M=3 THEN 4100
4010 PRINT 'SO SORRY, TRY AGAIN.'
4020 GO TO 2031
4050 PRINT
4100 PRINT 'SORRY! THAT'S YOUR 3RD TRY. CORRECT ANSWER IS: 'B$
4110 PRINT
4120 GO TO 2030
5000 PRINT \PRINT 'O K IT'S BEEN FUN. HPE TO C U AGN SN. 73 & ALOHA, PHIL.'
5001 END
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