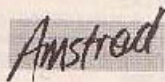


Juggler

Jason Charlesworth,
Kings Lynn,
Norfolk.



JUGGLER is a very simple but enjoyable game for the Amstrad CPC-464.

Written in machine code, the game features hires multicolour sprites, continuous music, joystick or keyboard option and a high score table. In the game you must keep the balls in the air by bouncing them off a bat which you

control at the bottom of the screen. At first there is only one ball but every 30 seconds a new one is added to a maximum of five. You get points for however many seconds you keep the balls flying and the amount of points you get per second increases with every extra ball.

To set the program up, type in listing 1 and save it with

SAVE "JUGGLER"

Next type in listing 2 and run it. This program pokes in machine code and checks it at the same time for errors. If it finds an error, correct it

then rerun the program until you get a "Finished, no errors" message. Then save the code directly after "Juggler" with
SAVE "CODE" b,37000,3000

The game may then be played by rewinding the cassette and typing RUN(").

In you wish to see all the levels, when it asks you to press s to start, leave the keys for a while and the program will give a demo — you can get out of the demo by pressing 0.

Finally, thank you to Robert Rhodes who translated the music for me.

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100 DEF FN x(n)=10*(PEEK(n) AND 240)/16)+(PEEK(n) AND
15)
110 MEMORY 32767
120 MODE 2:PRINT"Please wait":LOAD ""
130 ENV 1,1,-0,1,5,1,1,5,-2,1,5,1,2
140 RESTORE 330:DIM n$(5),1(5):FOR a=1 TO 5:READ n$(a)
,r(a):NEXT a
150 MODE 0:TAB:PL0T 640,400,2:a#="Juggler":a#l:b=600:c
=:EVERY 1 GOSUB 170
160 IF a<28 THEN 160 ELSE 190
170 MOVE b,396:PRINT MID$(a#,a,1):b=b-4:IF b=(1.5*a*2
)*32 THEN b=600:a=a+1
180 RETURN
190 DI:TABOFF:RESTORE:FOR a=0 TO 5:READ a#,p:LOCATE 1,
2:a+4:PEN p:PRINT a#:NEXT a
200 DATA Left 1,6,Right 1,10,HaIt 1,10
H,4,Start 5,2,Music On/Off SPACE,12,Abo
rt 0,3
210 LOCATE 1,17:PEN 1:PRINT"O use the joystick.":PEN 1
22:LOCATE 2,21:PRINT"Press S to start.":PEN 1
220 FOR a=0 TO 3000:a#="INKEY#":IF a#="s"OR a#="S" THEN
230 ELSE NEXT a:CALL 37000:CLS:PEN 2:PRINT " J u g g
l e r ":GOTO 190
230 CALL 37003:sc=10000*FN x(38027)+100*FN x(38026)+FN
x(38025)
240 FOR b=0 TO 200:a#="INKEY#":NEXT b
250 FOR a=1 TO 5:IF sc<n(a) THEN NEXT a:GOTO 290
260 IF a<>5 THEN FOR b=5 TO a+1 STEP -1:r#(b)=n#(b-1):
n(b)=n(b-1):NEXT b
270 LOCATE 1,24:INPUT "Name Please ":n$(a)
280 r(a)=sc
290 CLS:PEN 2:PRINT " High Score Table":FOR a=1 TO 5:LO
CATE 1,4+2*a:PEN a:PRINT n$(a)
300 LOCATE 6,4+2*a:PRINT n$(a):NEXT a
310 PEN 12:LOCATE 1,22:PRINT"Press a key to start"
320 IF INKEY#="" THEN 300 ELSE PEN 2:CLS:PRINT " J u g
g l e r ":GOTO 190
330 DATA Danger Mouse,400,Penfold,300,Shaggy the Ya<,2
00,Dcugli McAngus,100,Black Adder,30
10 MEMORY 32767:PRINT"please wait":n=37000
20 DIM t(35):FOR a=0 TO 35:READ t(a):NEXT a
30 FOR a=0 TO 35:READ a#:t=0:FOR b=0 TO 79:|=VAL("0"+H
IUS(a#*2-1,2)):POKE t,|:t=t+2:|=+1:NEXT b:IF t<>t(a
) THEN 50
40 NEXT a:PRINT"Finished,no errors":END
50 PRINT"Error in line 60 or line "a*10-70:ENV
60 DATA 12552,7509,7218,9870,8987,9196,9644,5830,7930,
7805,9474,8754,6993,3233,0,4792,5552,3514,4392,7552,54
03,4476,7048,5997,5396,3
410,3313,4383,4804,30,0,5281,3636,4394,4092,4059,2584
70 DATA C3B890CDF252CD41CDA9923AA294FE043003DB19BCD
FD91CDA291CDD590CD6992CD7192C056913AA394FE020D0AC9CDF
92CD4A91CD19BCD6DF51CDA2
91CDD590CDF56913AA394FE02B8AC93AA949
80 DATA FE01C03E2CDAD860E07FE033B2F2AA59423237EFE0628
252B2E7C320F91237E321091237E32139123224594212091CEAABC
1809020000E0100A1E000
04CDADBCE607FE030D2A679423237EFE0008
90 DATA 324A917A897E324A91237E324591232322A79421417103
AABC0400000500002FEC00421A94118994012100EDB0C93E2F0D1E
BB2B153AA994FE012B133E01
32A9943AA434EE0132A9418049732A9943E
100 DATA 2CDB.EB32818CD660C3E3CCD1EBB2BF5210000110000C
D100D3E07CDB3BC3220C1EBBC8E0132A394C9CD0D067CFE01007
DFE2B0D0E2E2600C10BDCD4
A943AA174D012732A194210300224874E6F0
110 DATA 1F1F.F1FC630DC9735AA194E60FC532CD03933AA154F
E00C03E3032A19421269B212A59421D99922A7943AA2943CFE060B5

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2A294C93AA29447218D94E5C
54E2346235E235679B34FFE0220051E01DDE4
120 DATA 42FE462005:EFCD08492780247FE0C20051601C08492F
EB6200516FFCD08492FEAF2103A0C943C91C606FE0E3200516FFCDB
492722B732B702B7121CC94D
1D53A02743092571E00A70B1ACB1B19CD9155
130 DATA C1E1232323231094C92180DF065097B62310FD473AA39
4B032A394C9E5F5D0C578C52832A39221A0523AA494FE02B03CDA
ABC01D1F1E1C901010D09000
00F7F0C07C93A0C9483FE4520023E44FEFF
140 DATA 200197328C945F16002180C7193600230609563C2310F
R36002181CF193600230609360C2310FB360021820719360023060
636302510FB3600C997CD0EB
C2150930614110000E5340947ECDC3932310
150 DATA F93E030600CD34933E2B0604CD34933E040600C034933
E0C0600C034933210000110000C10B03E3032A194C1600L00E0B5
821100078A7.F4FDE0CDEAB
BC1D126013E7E914FES0C0F68BC1E116023E
160 DATA 7D905F0C5C0F68B1101211000C3F88654494D4520333
02053434F52452303030303030303030303030303030303030303030
D1EBB2B0C1CC93E47CD1EBB2
8021DD93216CD1EBB0C1C9E579E71600625F
170 DATA 3EC7906FC01D0CD10610C5E5010B00EBEDB0EB1CD26B
CC110F0C9E505050505050385F7E3A305B063017171717171717171717
787875F1A003E1894B76787C
6076F2600C1DDC1C6CC16970F0001140607
180 DATA 14D50E03.E00A7170B1317CB135797CB4B28023E00C84
3280260477237A0D0E311FD0719D11310D721489434F1010101010
F2A40943E1FCD5ABB2C7000F
ABB247CCD5A8BF1CD5AEB21487434C1D1E1C9
190 DATA 0700210E002748943AA294218994662777300E233E018
627773006233E0186277721899423206037E4FE6F0131F1F1F1F1F1F1F
0D0C39379E60FC5300DC3932
B10EB290300001907A801FF0E46021FF165AFF
200 DATA 0122601012C78FF01271010100298279A0C000000190
432FF010E6001F165AFF01226401012C78FF01300103002698E99
90000000000000000000000000000000000000000000000000000000
30000000000000000000000000000000000000000000000000000000
210 DATA 0000000000000000000000000000000000000000000000000
00000000000000000000000000000000000000000000000000000000
00000000000000000000000000000000000000000000000000000000
00000000000000000000000000000000000000000000000000000000
80000000200000000000000000000000000000000000000000000000
220 DATA 0000000000000000000000000000000000000000000000000
000000000000000000440CC80000000440CFCFCFC0C80000044B0C0C07
C80000C0C0C03C34CEC00000
03C034CEC00000C0C03C34CEC0000C0C03
230 DATA 34CEC00000C0C03C34CEC0000C0C03C34CEC0000C0C03
03C03030C0000C0C03C0303030C0000044B0C0C07C80000044C0CFCF
F8000000044C0C800000000
00000000000000000000000000000000000000000000000000000000
240 DATA 3C2B000000142B0F0F12200000140E20C0002800002E1
80C02241E0020204C3030C1E000071AC030e1E000201B03030C
C1E00020180C0C241E00002
C4C303241E0000204C303080.E0000204C0C
250 DATA CC6C1E0000140E20C000280000142D20F0F1E2B0000021
40C02800000000000000000000000000000000000000000000000000
0000004091333628000004
273F3F3B38000091B2FCFC7162000091F50
260 DATA 30F962000091B2FCFC7162000091F50
23030F962000091B23030F962000091F5030F962000091B2FCFC7
16200004073F3F3B38000004
09133362800000040C2C0B00000000000000
270 DATA 200000000000000000000000000000000000000000000000
1333372A00005660C0395A0000B13C021C4C720000B1800304
C720000B19C1C1C4C720000B
180C21C4C720000B19C1C1C4C720000B19C3C
280 DATA 3C6C720000B180C014C720000B180C01C4C7200000506

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