

1	1	/	SIMPLE "HELLO WORLD" PROGRAM.	1
2	2			2
3	3	/	LAST EDIT: 20-OCT-2017 CJL	3
4	4			4
5	5	/	THIS PROGRAM IS PROVIDED AS THE INITIAL DEFAULT PROGRAM FILE FOR DEVELOPMENT	5
6	6	/	WITHIN THE PEPS ENVIRONMENT. YOU CAN CHANGE IT AS MANY TIMES AS YOU DESIRE.	6
7	7			7
8	8	/	THIS PROGRAM CAN ALWAYS BE BROUGHT UP FROM THE STANDARD FILE: HELLOWORLD.PAL.	8
9	9	/	TO USE IN P?S/8, SAVE IT IN A SINGLE TFS FILE SUCH AS HELLOW. TO USE IN OS/8	9
10	10	/	SAVE IT IN A SINGLE TEXT FILE SUCH AS HELLOW.PA.	10
11	11			11
12	12	/	STANDARD OPENING DEFAULTS APPLY.	12
13	13			13
14	14	0000	FIELD 0 /CAN RUN ON 4K MACHINES.	14
15	15			15
16	16	*0200	*200 /THE USUAL STARTING ADDRESS.	16
17	17			17
18	18	/	THE FLAG MAY ALREADY BE UP; THIS WORKS IN BOTH OPERATING SYSTEMS.	18
19	19			19
20	20	000200 6041	TSF /FLAG ALREADY UP [P?S/8 STYLE]?	20
21	21	000201 6046	TLS /NO, RAISE IT NOW TO PRIME THE PUMP.	21
22	22			22
23	23	000202 1627	LOOP, TAD I TXTPTR /GET A CHARACTER	23
24	24	000203 7510	SPA /AT END OF LIST?	24
25	25	000204 5626	JMP I L7600 /YES, EXIT TO OPERATING SYSTEM.	25
26	26	000205 6041	TSF /FLAG UP?	26
27	27	000206 5205	JMP .-1 /NO, WAIT FOR IT.	27
28	28	000207 6046	TLS /YES, OUTPUT IT NOW.	28
29	29	000210 7200	CLA /CLEAN UP	29
30	30	000211 2227	ISZ TXTPTR /BUMP TO NEXT CHARACTER IN THE STRING.	30
31	31	000212 5202	JMP LOOP /KEEP GOING.	31
32	32			32
33	33	000213 0310	HSTRNG, "H;"E;"L;"L;"O;" ;"W;"O;"R;"L;"D/TEXT STRING OF "HELLO WORLD" MESSAGE.	33
34	34	000214 0305		34
35	35	000215 0314		35
36	36	000216 0314		36
37	37	000217 0317		37
38	38	000220 0240		38
39	39	000221 0327		39
40	40	000222 0317		40
41	41	000223 0322		41
42	42	000224 0314		42
43	43	000225 0304		43
44	44	000226 7600	L7600, 7600 /WHERE OPERATING SYSTEM EXIT IS. THIS ALSO	44
45	45		/ENDS THE TEXT STRING [A NEGATIVE CONSTANT].	45
46	46	000227 0213	TXTPTR, HSTRNG /TEXT POINTER [ALREADY INITIALIZED].	46
47	47			47
48	48		\$ /THAT'S ALL FOLK!	48
49	49			49
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2		2
3	HSTRNG 0213	3
4	LOOP 0202	4
5	L7600 0226	5
6	TXIPTR 0227	6
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2		2
3	NO ERRORS DETECTED	3
4		4
5	NO LINKS GENERATED	5
6		6
7	5K MEMORY UTILIZED	7
8		8
9	1 FILE CREATED	9
10		10
11	4 SYMBOLS	11
12		12
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5	00000	5
6	00100	6
7		7
8	00200 11111111 11111111 11111111 00000000 00000000 00000000 00000000 00000000	8
9	00300	9
10		10
11	00400	11
12	00500	12
13		13
14	00600	14
15	00700	15
16		16
17	01000	17
18	01100	18
19		19
20	01200	20
21	01300	21
22		22
23	01400	23
24	01500	24
25		25
26	01600	26
27	01700	27
28		28
29	02000	29
30	02100	30
31		31
32	02200	32
33	02300	33
34		34
35	02400	35
36	02500	36
37		37
38	02600	38
39	02700	39
40		40
41	03000	41
42	03100	42
43		43
44	03200	44
45	03300	45
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47	03400	47
48	03500	48
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50	03600	50
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5	04000	5
6	04100	6
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8	04200	8
9	04300	9
10		10
11	04400	11
12	04500	12
13		13
14	04600	14
15	04700	15
16		16
17	05000	17
18	05100	18
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20	05200	20
21	05300	21
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23	05400	23
24	05500	24
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26	05600	26
27	05700	27
28		28
29	06000	29
30	06100	30
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32	06200	32
33	06300	33
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35	06400	35
36	06500	36
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38	06600	38
39	06700	39
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41	07000	41
42	07100	42
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44	07200	44
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