

1	PROGRAM FACTORIAL	0000010	1
2	C THIS PROGRAM COMPUTES THE FACTORIAL OF A GIVEN NUMBER	0000020	2
3	INTEGER N, FACT, I	0000030	3
4	PRINT *, 'ENTER A POSITIVE INTEGER:'	0000040	4
5	READ *, N	0000050	5
6	IF (N .LT. 0) THEN	0000060	6
7	PRINT *, 'INVALID INPUT! MUST BE POSITIVE.'	0000070	7
8	STOP	0000080	8
9	ENDIF	0000090	9
10	FACT = 1	0000100	10
11	I = 1	0000110	11
12	100 IF (I .GT. N) GOTO 200	0000120	12
13	FACT = FACT * I	0000130	13
14	I = I + 1	0000140	14
15	GOTO 100	0000150	15
16	200 PRINT 300, N, FACT	0000160	16
17	C OUTPUT THE RESULT	0000170	17
18	300 FORMAT(' FACTORIAL OF ',	0000180	18
19	& I4,	0000181	19
20	& ' IS ',	0000182	20
21	& I10)	0000183	21
22	C END OF PROGRAM	0000190	22
23	END	0000200	23