

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