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| — | - | | | |
|----------|--|--|----------------------|-----|
| | 1 2 3 | PROGRAM FACTORIAL C THIS PROGRAM COMPUTES THE FACTORIAL OF A GIVEN NUMBER 0000020 INTEGER N, FACT, I 0000030 | 1 2 3 4 | |
| | 4 5 6 | PRINT *, 'ENTER A POSITIVE INTEGER:' 0000040 READ *, N 0000050 | 5 6 7 8 | |
| | 7 8 9 | PRINT *, 'INVALID INPUT! MUST BE POSITIVE.' 0000070 STOP 0000080 | 9 10 11 | |
| | 10 11 12 | FACT = 1 0000100 I = 1 0000110 | 12 13 14 15 | |
| | 13 14 | FACT = FACT * I 0000130 I = I + 1 0000140 | 16 17 18 19 | |
| | 15 16 17 | 200 PRINT 300, N, FACT 0000160 C OUTPUT THE RESULT 0000170 | 20 21 22 23 | |
| | 18 19 20 | & I4, 0000181 & 'IS', 0000182 | 24 25 26 27 | |
| | 212223 | C END OF PROGRAM 0000190 | 28 29 30 31 | |
| | 242526 | | 32 33 34 35 | |
| | 272829 | | 36 37 38 39 | |
| | 30 31 32 | | 40 41 42 43 | |
| | 33 34 35 | | 44 45 46 47 | |
| | 36 37 38 | | 48 49 50 51 | |
| | 39 40 41 | | 52 53 54 55 | |
| | 42 43 44 | | 56 57 58 59 | |
| | 45 46 47 | | 60 61 62 | |
| | 48 49 50 | | 63 64 65 66 | |
| | 51 52 53 | | 67 68 69 70 | |
| | 54 55 56 | | 71 72 73 74 | |
| | 57 58 59 | | 75 76 77 78 | 2 1 |