X P L COMPILATION -- STANFORD UNIVERSITY -- XCOM III VERSION OF MAY 7, 1969.

TODAY IS AUGUST 10, 1969.

```
, 1 | FACTORIAL:
                                                                               1286
   2 |
        PROCEDURE (N);
                                                                               1286
           DECLARE (I, N, NFACT) FIXED;
   3
                                                                               1286 FACTORIAL
                                                                               1294 FACTORIAL
   5 |
          NFACT = 1;
                                                                               1294 FACTORIAL
6 | DO I = 2 TO N;
                                                                               1302 FACTORIAL
       NFACT = NFACT * I;
                                                                               1338 FACTORIAL
8 | END;
                                                                               1350 FACTORIAL
       RETURN NFACT;
                                                                               1354 FACTORIAL
10 | END FACTORIAL;
                                                                               1364 FACTORIAL
  11 |
                                                                               1370
  12 /* THE NEXT STATEMENT HAS AN UNDECLARED IDENTIFIER */
                                                                               1370
13 |
                                                                               1370
 14 | DO X = 1 TO 10;
                                                                               1370
 *** ERROR, UNDECLARED IDENTIFIER: X (DETECTED AT LOCATION 13290 IN XCOM). ***
15 | OUTPUT = X || ' FACTORIAL = ' || FACTORIAL(X);
                                                                               1398 C7 = 10.
  16 | END:
                                                                               1476
 17
                                                                               1480
  18 /* THE NEXT STATEMENT HAS A SIMULATED KEYPUNCH ERROR */
                                                                               1480
 19
                                                                               1480
  20 |
        2 = I + 1;
                                                                               1480
 *** ERROR, ILLEGAL SYMBOL PAIR: ; <NUMBER> (DETECTED AT LOCATION 50288 IN XCOM). ***
 *** LAST PREVIOUS ERROR WAS DETECTED ON LINE 14. ***
PARTIAL PARSE TO THIS POINT IS: <STATEMENT LIST> <GROUP> ;
RESUME:
 21 |
                                                                               1480
```

```
154
```

```
22 | OUTPUT = TIME;
23 |
24 | EOF
```

| 1480 | 1520 | 1520

####### EXECUTION OF THIS PROGRAM WILL BE INHIBITED.
END OF COMPILATION AUGUST 10, 1969. CLOCK TIME = 21:48:49.26.

24 CARDS CONTAINING 10 STATEMENTS WERE COMPILED.
2 ERRORS (1 SEVERE) WERE DETECTED.
THE LAST DETECTED ERROR WAS ON LINE 20.
1528 BYTES OF PROGRAM, 1373 OF DATA, 28 OF DESCRIPTORS, 173 OF STRINGS.
TOTAL CORE REQUIREMENT 3102 BYTES.

SYMBOL TABLE DUMP

FACTORIAL : LABEL AT 1290(14), DECLARED ON LINE 1 AND REFERENCED 1 TIMES.

PARAMETER 1 : FIXED AT 1348(11), DECLARED ON LINE 3 AND REFERENCED 1 TIMES.

X : FIXED AT 1360(11), DECLARED ON LINE 14 AND REFERENCED 3 TIMES.

TOTAL TIME IN COMPILER 0:0:3.26.

SET UP TIME 0:0:1.50.

ACTUAL COMPILATION TIME 0:0:0.20.

POST-COMPILATION TIME 0:0:1.56.

COMPILATION RATE: 7200 CARDS PER MINUTE.