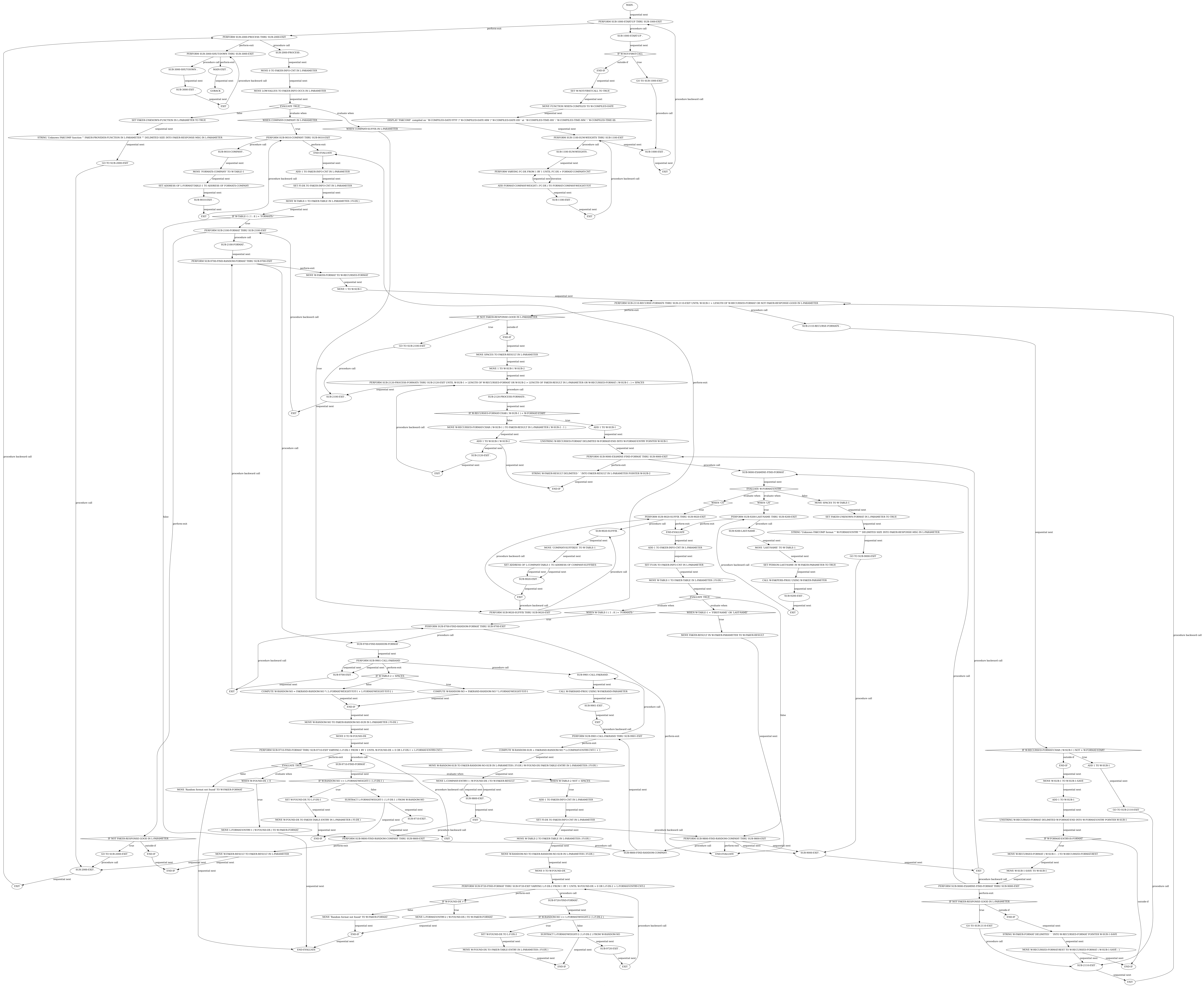
MAIN .
sequential next
PERFORM SUB-1000-START-UP THRU SUB-1000-EXIT
procedure call
SUB-1000-START-UP .
IF W-NOT-FIRST-CALL
outside-if
true
END-IF
GO TO SUB-1000-EXIT
SET W-NOT-FIRST-CALL TO TRUE
MOVE FUNCTION WHEN-COMPILED TO W-COMPILED-DATE
DISPLAY 'FAKCOMP compiled on ' W-COMPILED-DATE-YYYY '/' W-COMPILED-DATE-MM '/' W-COMPILED-DATE-DD ' at ' W-COMPILED-TIME-HH ':' W-COMPILED-TIME-MM ':' W-COMPILED-TIME-SS
PERFORM SUB-1100-SUM-WEIGHTS THRU SUB-1100-EXIT
SUB-1100-SUM-WEIGHTS .
PERFORM VARYING FC-DX FROM 1 BY 1 UNTIL FC-DX > FORMAT-COMPANY-CNT
iteration
ADD FORMAT-COMPANY-WEIGHT (FC-DX) TO FORMAT-COMPANY-WEIGHT-TOT
SUB-1100-EXIT .
EXIT
SUB-1000-EXIT .
EXIT
procedure backward call
perform-exit
PERFORM SUB-2000-PROCESS THRU SUB-2000-EXIT
PERFORM SUB-3000-SHUT-DOWN THRU SUB-3000-EXIT
SUB-3000-SHUT-DOWN .
MAIN-EXIT .
SUB-3000-EXIT .
GOBACK
EXIT
SUB-2000-PROCESS .
MOVE 0 TO FAKER-INFO-CNT IN L-PARAMETER
MOVE LOW-VALUES TO FAKER-INFO-OCCS IN L-PARAMETER
EVALUATE TRUE
false
evaluate when
SET FAKER-UNKNOWN-FUNCTION IN L-PARAMETER TO TRUE
WHEN COMPANY-COMPANY IN L-PARAMETER
WHEN COMPANY-SUFFIX IN L-PARAMETER
STRING 'Unknown FAKCOMP function "' FAKER-PROVIDER-FUNCTION IN L-PARAMETER '"' DELIMITED SIZE INTO FAKER-RESPONSE-MSG IN L-PARAMETER
GO TO SUB-2000-EXIT
PERFORM SUB-9010-COMPANY THRU SUB-9010-EXIT
SUB-9010-COMPANY .
MOVE 'FORMATS-COMPANY' TO W-TABLE-1
SET ADDRESS OF L-FORMAT-TABLE-1 TO ADDRESS OF FORMATS-COMPANY
SUB-9010-EXIT .
EXIT
END-EVALUATE
ADD 1 TO FAKER-INFO-CNT IN L-PARAMETER
SET FI-DX TO FAKER-INFO-CNT IN L-PARAMETER
MOVE W-TABLE-1 TO FAKER-TABLE IN L-PARAMETER (FI-DX)
IF W-TABLE-1 (1 : 8) = 'FORMATS-'
PERFORM SUB-2100-FORMAT THRU SUB-2100-EXIT
SUB-2100-FORMAT .
PERFORM SUB-9700-FIND-RANDOM-FORMAT THRU SUB-9700-EXIT
MOVE W-FAKER-FORMAT TO W-RECURSED-FORMAT
MOVE 1 TO W-SUB-1
PERFORM SUB-2110-RECURSE-FORMATS THRU SUB-2110-EXIT UNTIL W-SUB-1 > LENGTH OF W-RECURSED-FORMAT OR NOT FAKER-RESPONSE-GOOD IN L-PARAMETER
SUB-2110-RECURSE-FORMATS .
IF NOT FAKER-RESPONSE-GOOD IN L-PARAMETER
END-IF
GO TO SUB-2100-EXIT
MOVE SPACES TO FAKER-RESULT IN L-PARAMETER
MOVE 1 TO W-SUB-1 W-SUB-2
PERFORM SUB-2120-PROCESS-FORMATS THRU SUB-2120-EXIT UNTIL W-SUB-1 > LENGTH OF W-RECURSED-FORMAT OR W-SUB-2 > LENGTH OF FAKER-RESULT IN L-PARAMETER OR W-RECURSED-FORMAT (W-SUB-1 :) = SPACES
SUB-2100-EXIT .
EXIT
SUB-2120-PROCESS-FORMATS .
IF W-RECURSED-FORMAT-CHAR (W-SUB-1) = W-FORMAT-START
MOVE W-RECURSED-FORMAT-CHAR (W-SUB-1) TO FAKER-RESULT IN L-PARAMETER (W-SUB-2 : 1)
ADD 1 TO W-SUB-1
ADD 1 TO W-SUB-1 W-SUB-2
UNSTRING W-RECURSED-FORMAT DELIMITED W-FORMAT-END INTO W-FORMAT-ENTRY POINTER W-SUB-1
SUB-2120-EXIT .
EXIT
PERFORM SUB-9000-EXAMINE-FIND-FORMAT THRU SUB-9000-EXIT
STRING W-FAKER-RESULT DELIMITED ' ' INTO FAKER-RESULT IN L-PARAMETER POINTER W-SUB-2
END-IF
SUB-9000-EXAMINE-FIND-FORMAT .
EVALUATE W-FORMAT-ENTRY
WHEN 'CS'
WHEN 'LN'
MOVE SPACES TO W-TABLE-1
SET FAKER-UNKNOWN-FORMAT IN L-PARAMETER TO TRUE
STRING 'Unknown FAKCOMP format "' W-FORMAT-ENTRY '"' DELIMITED SIZE INTO FAKER-RESPONSE-MSG IN L-PARAMETER
GO TO SUB-9000-EXIT
PERFORM SUB-9020-SUFFIX THRU SUB-9020-EXIT
PERFORM SUB-9200-LAST-NAME THRU SUB-9200-EXIT
SUB-9020-SUFFIX .
END-EVALUATE
SUB-9200-LAST-NAME .
MOVE 'COMPANY-SUFFIXES' TO W-TABLE-1
MOVE 'LAST-NAME' TO W-TABLE-1
SET ADDRESS OF L-COMPANY-TABLE-1 TO ADDRESS OF COMPANY-SUFFIXES
SET PERSON-LAST-NAME IN W-FAKER-PARAMETER TO TRUE
CALL W-FAKPERS-PROG USING W-FAKER-PARAMETER
SUB-9020-EXIT .
SUB-9200-EXIT .
EXIT
EXIT
ADD 1 TO FAKER-INFO-CNT IN L-PARAMETER
SET FI-DX TO FAKER-INFO-CNT IN L-PARAMETER
MOVE W-TABLE-1 TO FAKER-TABLE IN L-PARAMETER (FI-DX)
EVALUATE TRUE
PERFORM SUB-9020-SUFFIX THRU SUB-9020-EXIT
WHEN W-TABLE-1 (1 : 8) = 'FORMATS-'
WHEN W-TABLE-1 = 'FIRST-NAME' OR 'LAST-NAME'
MOVE FAKER-RESULT IN W-FAKER-PARAMETER TO W-FAKER-RESULT
PERFORM SUB-9700-FIND-RANDOM-FORMAT THRU SUB-9700-EXIT
SUB-9700-FIND-RANDOM-FORMAT .
PERFORM SUB-9901-CALL-FAKRAND
SUB-9700-EXIT .
IF W-TABLE-2 = SPACES
EXIT
COMPUTE W-RANDOM-NO = FAKRAND-RANDOM-NO * (L-FORMAT-WEIGHT-TOT-1 + L-FORMAT-WEIGHT-TOT-2)
COMPUTE W-RANDOM-NO = FAKRAND-RANDOM-NO * L-FORMAT-WEIGHT-TOT-1
END-IF
MOVE W-RANDOM-NO TO FAKER-RANDOM-NO-SUB IN L-PARAMETER (FI-DX)
MOVE 0 TO W-FOUND-DX
PERFORM SUB-9710-FIND-FORMAT THRU SUB-9710-EXIT VARYING L-F-DX-1 FROM 1 BY 1 UNTIL W-FOUND-DX > 0 OR L-F-DX-1 > L-FORMAT-ENTRY-CNT-1
EVALUATE TRUE
SUB-9710-FIND-FORMAT .
MOVE 'Random format not found' TO W-FAKER-FORMAT
WHEN W-FOUND-DX > 0
IF W-RANDOM-NO <= L-FORMAT-WEIGHT-1 (L-F-DX-1)
SET W-FOUND-DX TO L-F-DX-1
SUBTRACT L-FORMAT-WEIGHT-1 (L-F-DX-1) FROM W-RANDOM-NO
MOVE W-FOUND-DX TO FAKER-TABLE-ENTRY IN L-PARAMETER (FI-DX)
SUB-9710-EXIT .
MOVE L-FORMAT-ENTRY-1 (W-FOUND-DX) TO W-FAKER-FORMAT
END-IF
PERFORM SUB-9800-FIND-RANDOM-COMPANY THRU SUB-9800-EXIT
EXIT
IF NOT FAKER-RESPONSE-GOOD IN L-PARAMETER
GO TO SUB-2000-EXIT
END-IF
MOVE W-FAKER-RESULT TO FAKER-RESULT IN L-PARAMETER
SUB-2000-EXIT .
END-IF
EXIT
SUB-9901-CALL-FAKRAND .
CALL W-FAKRAND-PROG USING W-FAKRAND-PARAMETER
SUB-9901-EXIT .
EXIT
PERFORM SUB-9901-CALL-FAKRAND THRU SUB-9901-EXIT
COMPUTE W-RANDOM-SUB = FAKRAND-RANDOM-NO * L-COMPANY-ENTRY-CNT-1 + 1
MOVE W-RANDOM-SUB TO FAKER-RANDOM-NO-SUB IN L-PARAMETER (FI-DX) W-FOUND-DX FAKER-TABLE-ENTRY IN L-PARAMETER (FI-DX)
MOVE L-COMPANY-ENTRY-1 (W-FOUND-DX) TO W-FAKER-RESULT
WHEN W-TABLE-2 NOT = SPACES
SUB-9800-EXIT .
ADD 1 TO FAKER-INFO-CNT IN L-PARAMETER
EXIT
SET FI-DX TO FAKER-INFO-CNT IN L-PARAMETER
MOVE W-TABLE-2 TO FAKER-TABLE IN L-PARAMETER (FI-DX)
PERFORM SUB-9800-FIND-RANDOM-COMPANY THRU SUB-9800-EXIT
SUB-9800-FIND-RANDOM-COMPANY .
END-EVALUATE
SUB-9000-EXIT .
MOVE W-RANDOM-NO TO FAKER-RANDOM-NO-SUB IN L-PARAMETER (FI-DX)
MOVE 0 TO W-FOUND-DX
PERFORM SUB-9720-FIND-FORMAT THRU SUB-9720-EXIT VARYING L-F-DX-2 FROM 1 BY 1 UNTIL W-FOUND-DX > 0 OR L-F-DX-2 > L-FORMAT-ENTRY-CNT-2
IF W-FOUND-DX > 0
SUB-9720-FIND-FORMAT .
MOVE 'Random format not found' TO W-FAKER-FORMAT
MOVE L-FORMAT-ENTRY-2 (W-FOUND-DX) TO W-FAKER-FORMAT
IF W-RANDOM-NO <= L-FORMAT-WEIGHT-2 (L-F-DX-2)
END-IF
SET W-FOUND-DX TO L-F-DX-2
SUBTRACT L-FORMAT-WEIGHT-2 (L-F-DX-2) FROM W-RANDOM-NO
END-EVALUATE
MOVE W-FOUND-DX TO FAKER-TABLE-ENTRY IN L-PARAMETER (FI-DX)
SUB-9720-EXIT .
END-IF
EXIT
IF W-RECURSED-FORMAT-CHAR (W-SUB-1) NOT = W-FORMAT-START
END-IF
ADD 1 TO W-SUB-1
MOVE W-SUB-1 TO W-SUB-1-SAVE
ADD 1 TO W-SUB-1
GO TO SUB-2110-EXIT
UNSTRING W-RECURSED-FORMAT DELIMITED W-FORMAT-END INTO W-FORMAT-ENTRY POINTER W-SUB-1
IF W-FORMAT-ENTRY-IS-FORMAT
MOVE W-RECURSED-FORMAT (W-SUB-1 :) TO W-RECURSED-FORMAT-REST
MOVE W-SUB-1-SAVE TO W-SUB-1
EXIT
PERFORM SUB-9000-EXAMINE-FIND-FORMAT THRU SUB-9000-EXIT
IF NOT FAKER-RESPONSE-GOOD IN L-PARAMETER
GO TO SUB-2110-EXIT
END-IF
STRING W-FAKER-FORMAT DELIMITED ' ' INTO W-RECURSED-FORMAT POINTER W-SUB-1-SAVE
MOVE W-RECURSED-FORMAT-REST TO W-RECURSED-FORMAT (W-SUB-1-SAVE :)
SUB-2110-EXIT .
END-IF
EXIT

test