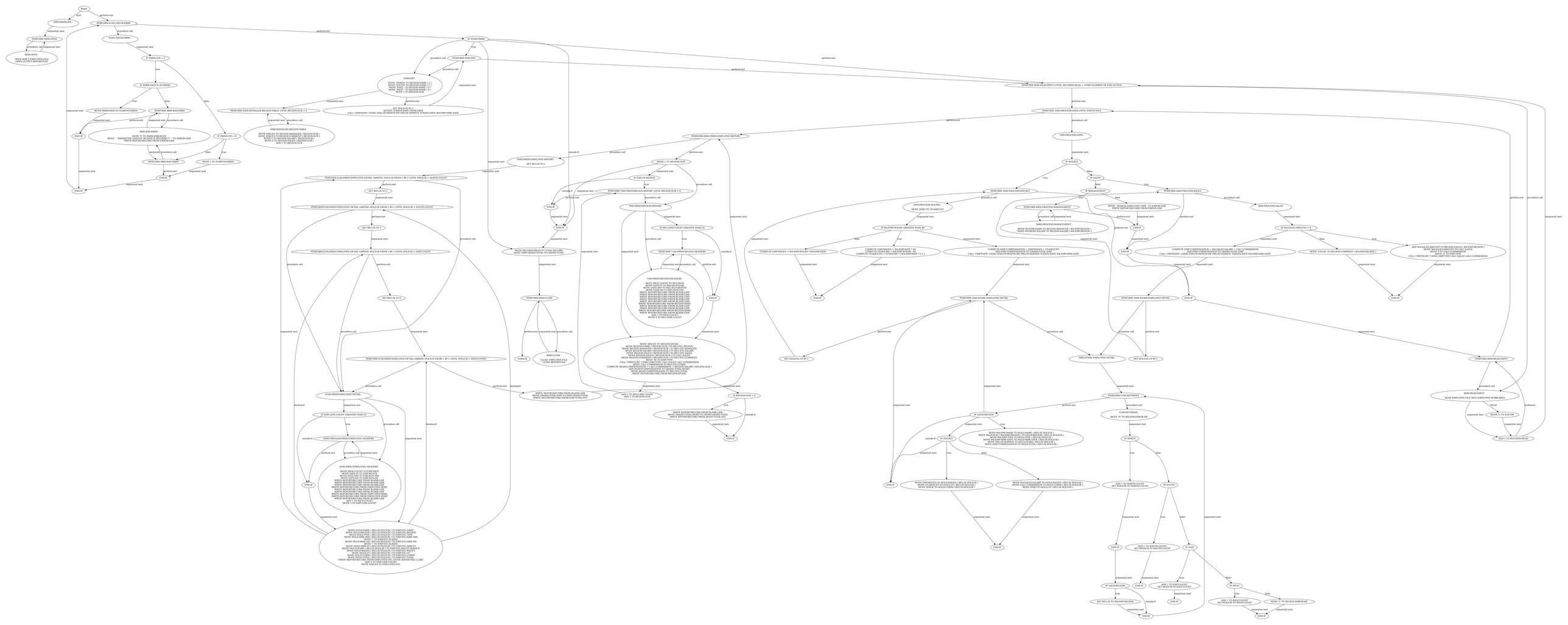
Begin
0000-MAINLINE
PERFORM 9100-CHECK-PARM
sequential next
perform-exit
PERFORM 8000-OPEN
procedure call
sequential next
9000-OPEN
OPEN INPUT EMPLOYEE-FILE
OPEN OUTPUT REPORT-FILE
9100-CHECK-PARM
sequential next
IF PARM-CTR < 1
true
IF PARM-DATA IS NUMERIC
false
true
MOVE PARM-DATA TO START-NUMBER
false
PERFORM 9800-BAD-PARM
sequential next
perform-exit
procedure call
END-IF
9800-BAD-PARM.
MOVE '8' TO PARM-ERROR-SW.
MOVE ' PARAMETER LENGTH OR DATA IS INCORRECT. ' TO ERROR-LINE.
WRITE REPORT-RECORD FROM ERROR-LINE.
backward
procedure call
PERFORM 9800-BAD-PARM.
IF PARM-CTR > 0
false
true
MOVE 1 TO START-NUMBER.
END-IF
sequential next
perform-exit
END-IF
sequential next
END-IF
IF GOOD-PARM
true
PERFORM 9200-INIT
procedure call
9200-INIT.
MOVE 'NORTH' TO REGION-NAME (1).
MOVE 'SOUTH' TO REGION-NAME (2).
MOVE 'EAST' TO REGION-NAME (3).
MOVE 'WEST' TO REGION-NAME (4).
MOVE 1 TO REGION-SUB.
sequential next
perform-exit
SET HOLD-DATE TO 1.
ACCEPT TODAYS-DATE FROM DATE.
CALL 'CWXTDATE' USING END-OF-MONTH-DW YRS-OF-SERVICE TODAYS-DATE WA-EMP-HIRE-DATE.
sequential next
PERFORM 9300-INITIALIZE-REGION-TABLE UNTIL REGION-SUB > 4
sequential next
procedure call
9300-INITIALIZE-REGION-TABLE.
MOVE SPACES TO REGION-MANAGER (REGION-SUB).
MOVE ZEROS TO REGION-SALARY (REGION-SUB).
MOVE 0 TO REGION-SALARY (REGION-SUB).
MOVE 0 TO REGION-COMM (REGION-SUB).
ADD 1 TO REGION-SUB.
sequential next
perform-exit
PERFORM 8000-READ-INPUT UNTIL RECORDS-READ > START-NUMBER OR END-OF-FILE
perform-exit
PERFORM 1000-PROCESS-DATA UNTIL END-OF-FILE
perform-exit
procedure call
1000-PROCESS-DATA.
sequential next
IF HOURLY
true
IF SALES
false
true
PERFORM 2600-PROCESS-HOURLY
procedure call
2600-PROCESS-HOURLY.
MOVE ZERO TO OT-AMOUNT.
sequential next
IF WA-EMP-HOURS GREATER THAN 40
true
COMPUTE EMP-WAGES = WA-EMP-HOURLY * WA-EMP-RATE.
sequential next
END-IF
false
COMPUTE EMP-WAGES = WA-EMP-HOURLY * WA-EMP-RATE
COMPUTE OT-AMOUNT = OT-HOURS * (WA-EMP-RATE * 1.5).
sequential next
END-IF
sequential next
COMPUTE EMP-COMPENSATION = EMP-WAGES + OT-AMOUNT.
ADD EMP-COMPENSATION TO REGION-SALARY.
CALL 'CWXTDATE' USING END-OF-MONTH-DW YRS-OF-SERVICE TODAYS-DATE WA-EMP-HIRE-DATE.
sequential next
PERFORM 3000-STORE-EMPLOYEE-DETAIL
sequential next
SET HOLD-IX UP BY 1
sequential next
END-IF
IF MANAGEMENT
true
PERFORM 4000-PROCESS-MANAGEMENT
procedure call
4000-PROCESS-MANAGEMENT.
MOVE WA-EMP-NAME TO REGION-MANAGER (WA-EMP-REGION).
MOVE WA-MONTHLY-SALARY TO REGION-SALARY (WA-EMP-REGION).
sequential next
END-IF
false
MOVE 'INVALID EMPLOYEE TYPE - TO ERROR-LINE
WRITE REPORT-RECORD FROM ERROR-LINE.
perform-exit
END-IF
sequential next
perform-exit
END-IF
sequential next
PERFORM 3000-PROCESS-SALES
procedure call
3000-PROCESS-SALES.
sequential next
IF WA-SALES-AMOUNT > 0
true
COMPUTE END-COMPENSATION = WA-SALES-SALARY + CALC-COMMISSION
ADD CALC-COMMISSION TO REGION-COMM (WA-EMP-REGION).
CALL 'CWXTDATE' USING END-OF-MONTH-DW YRS-OF-SERVICE TODAYS-DATE WA-EMP-HIRE-DATE.
sequential next
END-IF
false
MOVE 'UNSOW' TO REGION-COMMENT (WA-EMP-REGION).
sequential next
END-IF
sequential next
PERFORM 3000-STORE-EMPLOYEE-DETAIL
sequential next
SET HOLD-IX UP BY 1
sequential next
END-IF
sequential next
PERFORM 8000-READ-INPUT.
8000-READ-INPUT.
READ EMPLOYEE-FILE INTO EMPLOYEE-WORK-AREA
AT END
MOVE 'Y' TO EOF-SW
sequential next
ADD 1 TO RECORDS-READ.
backward
sequential next
PERFORM 4000-PRINT-EMPLOYEE-REPORT
perform-exit
4000-PRINT-EMPLOYEE-REPORT.
SET REG-IX TO 1
outside-of
procedure call
MOVE 1 TO REGION-SUB.
perform-exit
IF END-OF-MONTH
true
PERFORM 7000-PRINT-REGION-REPORT UNTIL REGION-SUB > 4
procedure call
7000-PRINT-REGION-REPORT.
sequential next
IF REG-LINE-COUNT GREATER THAN 55
true
PERFORM 7100-PRINT-REGION-HEADERS
sequential next
procedure call
perform-exit
7100-PRINT-REGION-HEADERS.
MOVE PAGE-COUNT TO REG-PAGE
ADD 1 TO REG-PAGE-COUNT
MOVE DATE-MM TO REG-MONTH
MOVE DATE-DD TO REG-DAY
MOVE DATE-YY TO REG-YEAR
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM REGION-HEAD1
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM REGION-HEAD2
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM REGION-HEAD3
WRITE REPORT-RECORD FROM BLANK-LINE
MOVE 6 TO REG-LINE-COUNT
END-IF
MOVE SPACES TO REGION-DETAIL.
MOVE REGION-NAME (REGION-SUB) TO REG-DTL-REGION.
MOVE REGION-MANAGER (REGION-SUB) TO REG-DTL-MANAGER.
MOVE REGION-SALARY (REGION-SUB) TO REG-DTL-SALARY.
MOVE REGION-COMM (REGION-SUB) TO REG-DTL-COMM.
COMPUTE REGION-COMPENSATION = REGION-SALARY + REGION-COMM.
MOVE REGION-COMPENSATION TO REG-DTL-TOTAL.
WRITE REPORT-RECORD FROM REGION-DETAIL.
sequential next
ADD 1 TO REG-LINE-COUNT.
ADD 1 TO REGION-SUB.
sequential next
END-IF
sequential next
IF REGION-SUB = 4
true
WRITE REPORT-RECORD FROM BLANK-LINE
MOVE COMPANY-TOTAL TO GRAND-TOTAL
WRITE REPORT-RECORD FROM EMP-TOTAL-DTL
sequential next
END-IF
outside-of
sequential next
END-IF
sequential next
MOVE RECORDS-READ TO TOTAL-RECORD.
MOVE EMP-GRAND-TOTAL TO GRAND-TOTAL.
sequential next
PERFORM 8900-CLOSE
perform-exit
sequential next
procedure call
GOBACK.
9000-CLOSE.
CLOSE EMPLOYEE-FILE
CLOSE REPORT-FILE.
PERFORM 6100-PRINT-EMPLOYEE-DETAIL VARYING SOLD-IX FROM 1 BY 1 UNTIL SOLD-IX > NORTH-COUNT
perform-exit
SET REG-IX TO 2
sequential next
PERFORM 6100-PRINT-EMPLOYEE-DETAIL VARYING SOLD-IX FROM 1 BY 1 UNTIL SOLD-IX > SOUTH-COUNT
perform-exit
SET REG-IX TO 3
sequential next
PERFORM 6100-PRINT-EMPLOYEE-DETAIL VARYING SOLD-IX FROM 1 BY 1 UNTIL SOLD-IX > EAST-COUNT
perform-exit
SET REG-IX TO 4
sequential next
PERFORM 6100-PRINT-EMPLOYEE-DETAIL VARYING SOLD-IX FROM 1 BY 1 UNTIL SOLD-IX > WEST-COUNT
perform-exit
backward
procedure call
6100-PRINT-EMPLOYEE-DETAIL.
sequential next
IF EMP-LINE-COUNT GREATER THAN 55
true
PERFORM 6200-PRINT-EMPLOYEE-HEADERS
perform-exit
procedure call
sequential next
6200-PRINT-EMPLOYEE-HEADERS.
MOVE PAGE-COUNT TO EMP-PAGE
ADD 1 TO EMP-PAGE-COUNT
MOVE DATE-MM TO EMP-MON-HD
MOVE DATE-DD TO EMP-MON-DD
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM EMP-HEAD1
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM EMPLOYEE-HDR1
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM EMPLOYEE-HDR2
WRITE REPORT-RECORD FROM BLANK-LINE
MOVE 7 TO EMP-LINE-COUNT
END-IF
MOVE SOLD-NAME (SOLD-IX) TO EMP-DTL-NAME.
MOVE SOLD-SALARY (SOLD-IX) TO EMP-DTL-SALARY.
MOVE SOLD-TYPE (SOLD-IX) TO EMP-DTL-TYPE.
MOVE SOLD-HIRE-MM (SOLD-IX) TO EMP-DTL-HIRE-MM.
MOVE '/' TO EMP-DTL-SLASH1.
MOVE SOLD-HIRE-DD (SOLD-IX) TO EMP-DTL-HIRE-DD.
MOVE '/' TO EMP-DTL-SLASH2.
MOVE SOLD-HIRE-YY (SOLD-IX) TO EMP-DTL-HIRE-YY.
MOVE SOLD-COMMISSION (SOLD-IX) TO EMP-DTL-COMMISSION.
MOVE SOLD-WAGES (SOLD-IX) TO EMP-DTL-WAGES.
MOVE SOLD-OT (SOLD-IX) TO EMP-DTL-OT.
MOVE SOLD-COMM (SOLD-IX) TO EMP-DTL-COMM.
MOVE SOLD-TOTAL (SOLD-IX) TO EMP-DTL-TOTAL.
WRITE REPORT-RECORD FROM EMPLOYEE-DTL AFTER ADVANCING 1 LINE.
ADD 1 TO EMP-LINE-COUNT.
MOVE SPACES TO EMPLOYEE-DTL.
sequential next
PERFORM 3000-STORE-EMPLOYEE-DETAIL
perform-exit
procedure call
3000-STORE-EMPLOYEE-DETAIL.
sequential next
IF VALID-REGION
true
MOVE WA-EMP-NAME TO HOLD-NAME (REG-IX HOLD-IX).
MOVE REGION-ID (WA-EMP-REGION) TO HOLD-REGION (REG-IX HOLD-IX).
MOVE WA-EMP-RATE TO HOLD-RATE (REG-IX HOLD-IX).
MOVE WA-EMP-HIRE-DATE TO HOLD-HIRE-DATE (REG-IX HOLD-IX).
MOVE EMP-WAGES TO HOLD-WAGES (REG-IX HOLD-IX).
MOVE EMP-COMPENSATION TO HOLD-TOTAL (REG-IX HOLD-IX).
sequential next
IF HOURLY
outside-of
true
MOVE EMP-WAGES TO HOLD-WAGES (REG-IX HOLD-IX).
MOVE OT-AMOUNT TO HOLD-OT (REG-IX HOLD-IX).
MOVE ZEROS TO HOLD-COMM (REG-IX HOLD-IX).
sequential next
END-IF
false
MOVE WA-SALES-SALARY TO HOLD-WAGES (REG-IX HOLD-IX).
MOVE CALC-COMMISSION TO HOLD-COMM (REG-IX HOLD-IX).
MOVE ZERO TO HOLD-OT (REG-IX HOLD-IX).
sequential next
END-IF
sequential next
5000-STORE-EMPLOYEE-DETAIL
procedure call
5000-STORE-EMPLOYEE-DETAIL.
sequential next
PERFORM 5100-SET-INDEX
procedure call
5100-SET-INDEX.
MOVE 'N' TO REGION-ERROR-SW.
sequential next
IF NORTH
true
ADD 1 TO NORTH-COUNT
SET HOLD-IX TO NORTH-COUNT
sequential next
END-IF
false
IF SOUTH
true
ADD 1 TO SOUTH-COUNT
SET HOLD-IX TO SOUTH-COUNT
sequential next
END-IF
false
IF EAST
true
ADD 1 TO EAST-COUNT
SET HOLD-IX TO EAST-COUNT
sequential next
END-IF
false
IF WEST
true
ADD 1 TO WEST-COUNT
SET HOLD-IX TO WEST-COUNT
sequential next
END-IF
false
MOVE 'Y' TO REGION-ERROR-SW.
sequential next
END-IF
sequential next
IF VALID-REGION
true
SET REG-IX TO WA-EMP-REGION.
sequential next
END-IF
sequential next
END-IF