Begin
start
perform-exit
0000-MAINLINE .
PERFORM 9000-OPEN
9000-OPEN .
OPEN INPUT EMPLOYEE-FILE
OPEN OUTPUT REPORT-FILE
PERFORM 9100-CHECK-PARM
9100-CHECK-PARM .
IF PARM-LTH = 12
IF PARM-DATA IS NUMERIC
MOVE PARM-DATA TO START-NUMBER
PERFORM 9800-BAD-PARM
9800-BAD-PARM .
MOVE 'Y' TO PARM-ERROR-SW
MOVE ' PARAMETER LENGTH OR DATA IS INCORRECT ' TO ERROR-LINE
WRITE REPORT-RECORD FROM ERROR-LINE
END-IF
IF PARM-LTH = 0
PERFORM 9800-BAD-PARM
MOVE 1 TO START-NUMBER
END-IF
END-IF
IF GOOD-PARM
PERFORM 9200-INIT
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
PERFORM 9300-INITIALIZE-REGION-TABLE UNTIL REGION-SUB > 4
9300-INITIALIZE-REGION-TABLE .
MOVE SPACES TO REGION-MANAGER (REGION-SUB)
MOVE SPACES TO REGION-COMMENT (REGION-SUB)
MOVE 0 TO REGION-SALARY (REGION-SUB)
MOVE 0 TO REGION-SALES (REGION-SUB)
ADD 1 TO REGION-SUB
SET HOLD-IX TO 1
MOVE RUN-DATE TO TODAYS-DATE
CALL 'CWBWDATE' USING END-OF-MONTH-SW YRS-OF-SERVICE TODAYS-DATE WA-EMP-HIRE-DATE
6000-PRINT-EMPLOYEE-REPORT .
SET REG-IX TO 1
PERFORM 6100-PRINT-EMPLOYEE-DETAIL VARYING HOLD-IX FROM 1 BY 1 UNTIL HOLD-IX > NORTH-COUNT
SET REG-IX TO 2
PERFORM 6100-PRINT-EMPLOYEE-DETAIL VARYING HOLD-IX FROM 1 BY 1 UNTIL HOLD-IX > SOUTH-COUNT
SET REG-IX TO 3
PERFORM 6100-PRINT-EMPLOYEE-DETAIL VARYING HOLD-IX FROM 1 BY 1 UNTIL HOLD-IX > EAST-COUNT
SET REG-IX TO 4
PERFORM 6100-PRINT-EMPLOYEE-DETAIL VARYING HOLD-IX FROM 1 BY 1 UNTIL HOLD-IX > WEST-COUNT
6100-PRINT-EMPLOYEE-DETAIL .
IF EMP-LINE-COUNT GREATER THAN 55
PERFORM 6200-PRINT-EMPLOYEE-HEADERS
END-IF
6200-PRINT-EMPLOYEE-HEADERS .
MOVE PAGE-COUNT TO EMP-PAGE
MOVE DATE-YY TO EMP-RUN-YY
MOVE DATE-MM TO EMP-RUN-MM
MOVE DATE-DD TO EMP-RUN-DD
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM BLANK-LINE
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 EMPLOYEE-HDR3
WRITE REPORT-RECORD FROM BLANK-LINE
ADD 1 TO PAGE-COUNT
MOVE 5 TO EMP-LINE-COUNT
MOVE HOLD-NAME (REG-IX HOLD-IX) TO EMP-DTL-NAME
MOVE HOLD-REGION (REG-IX HOLD-IX) TO EMP-DTL-REGION
MOVE HOLD-TYPE (REG-IX HOLD-IX) TO EMP-DTL-TYPE
MOVE HOLD-HIRE-MM (REG-IX HOLD-IX) TO EMP-DTL-HIRE-MM
MOVE '/' TO EMP-DTL-SLASH1
MOVE HOLD-HIRE-DD (REG-IX HOLD-IX) TO EMP-DTL-HIRE-DD
MOVE '/' TO EMP-DTL-SLASH2
MOVE HOLD-HIRE-YY (REG-IX HOLD-IX) TO EMP-DTL-HIRE-YY
MOVE HOLD-YEARS (REG-IX HOLD-IX) TO EMP-DTL-YRS-OF-SERVICE
MOVE HOLD-WAGES (REG-IX HOLD-IX) TO EMP-DTL-WAGES
MOVE HOLD-OT (REG-IX HOLD-IX) TO EMP-DTL-OT
MOVE HOLD-COMM (REG-IX HOLD-IX) TO EMP-DTL-COMM
MOVE HOLD-TOTAL (REG-IX HOLD-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
END-IF
END-IF
MOVE RECORDS-READ TO TOTAL-RECORD
MOVE EMP-GRAND-TOTAL TO GRAND-TOTAL
PERFORM 9900-CLOSE
GOBACK
9900-CLOSE .
CLOSE EMPLOYEE-FILE
CLOSE REPORT-FILE
WRITE REPORT-RECORD FROM BLANK-LINE
MOVE GRAND-TOTAL-EMP TO EMP-GRAND-TOTAL
WRITE REPORT-RECORD FROM EMP-TOTAL-DTL
PERFORM 6000-PRINT-EMPLOYEE-REPORT
MOVE 1 TO REGION-SUB
IF END-OF-MONTH
PERFORM 7000-PRINT-REGION-REPORT UNTIL REGION-SUB > 4
7000-PRINT-REGION-REPORT .
IF REG-LINE-COUNT GREATER THAN 55
PERFORM 7100-PRINT-REGION-HEADERS
7100-PRINT-REGION-HEADERS .
MOVE PAGE-COUNT TO REG-PAGE
MOVE DATE-YY TO REG-RUN-YEAR
MOVE DATE-MM TO REG-RUN-MONTH
MOVE DATE-DD TO REG-RUN-DAY
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM REGION-HDR1
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM BLANK-LINE
WRITE REPORT-RECORD FROM REGION-HDR2
WRITE REPORT-RECORD FROM BLANK-LINE
ADD 1 TO PAGE-COUNT
MOVE 4 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-SALES (REGION-SUB) TO REG-DTL-SALES
MOVE REGION-SALES (REGION-SUB) TO CALC-SALES
MOVE REGION-COMMENT (REGION-SUB) TO REG-DTL-COMMENT
MOVE 'M' TO EMP-TYPE
CALL 'CWBWSUBC' USING EMP-TYPE CALC-SALES CALC-COMMISSION
MOVE CALC-COMMISSION TO REG-DTL-COMM
COMPUTE MGMT-COMPENSATION = CALC-COMMISSION + REGION-SALARY (REGION-SUB)
ADD MGMT-COMPENSATION TO GRAND-TOTAL-MGMT
MOVE MGMT-COMPENSATION TO REG-DTL-TOTAL
WRITE REPORT-RECORD FROM REGION-DETAIL
ADD 1 TO REG-LINE-COUNT
ADD 1 TO REGION-SUB
IF REGION-SUB = 4
WRITE REPORT-RECORD FROM BLANK-LINE
MOVE GRAND-TOTAL-MGMT TO MGMT-GRAND-TOTAL
WRITE REPORT-RECORD FROM MGMT-TOTAL-DTL
END-IF
PERFORM 8000-READ-INPUT UNTIL RECORDS-READ = START-NUMBER OR END-OF-FILE
PERFORM 1000-PROCESS-DATA UNTIL END-OF-FILE
1000-PROCESS-DATA .
IF HOURLY
PERFORM 2000-PROCESS-HOURLY
2000-PROCESS-HOURLY .
MOVE ZERO TO OT-AMOUNT
IF WA-EMP-HOURS GREATER THAN 40
COMPUTE EMP-WAGES = WA-EMP-HOURS * WA-EMP-RATE
COMPUTE EMP-WAGES = WA-EMP-RATE * 40
COMPUTE OT-HOURS = WA-EMP-HOURS - 40
COMPUTE OT-AMOUNT = OT-HOURS * (WA-EMP-RATE * 1.5)
END-IF
COMPUTE EMP-COMPENSATION = EMP-WAGES + OT-AMOUNT
ADD EMP-COMPENSATION TO GRAND-TOTAL-EMP
CALL 'CWBWDATE' USING END-OF-MONTH-SW YRS-OF-SERVICE TODAYS-DATE WA-EMP-HIRE-DATE
PERFORM 5000-STORE-EMPLOYEE-DETAIL
SET HOLD-IX UP BY 1
IF SALES
IF MANAGEMENT
PERFORM 4000-PROCESS-MANAGEMENT
4000-PROCESS-MANAGEMENT .
MOVE WA-EMP-NAME TO REGION-MANAGER (WA-EMP-REGION)
MOVE WA-MGMT-SALARY TO REGION-SALARY (WA-EMP-REGION)
MOVE ' INVALID EMPLOYEE TYPE ' TO ERROR-LINE
WRITE REPORT-RECORD FROM ERROR-LINE
END-IF
END-IF
PERFORM 3000-PROCESS-SALES
3000-PROCESS-SALES .
IF WA-SALES-AMOUNT > 0
COMPUTE EMP-COMPENSATION = WA-SALES-SALARY + CALC-COMMISSION
ADD EMP-COMPENSATION TO GRAND-TOTAL-EMP
CALL 'CWBWDATE' USING END-OF-MONTH-SW YRS-OF-SERVICE TODAYS-DATE WA-EMP-HIRE-DATE
MOVE 'UH-OH' TO REGION-COMMENT (WA-EMP-REGION)
ADD WA-SALES-AMOUNT TO REGION-SALES (WA-EMP-REGION)
MOVE WA-SALES-AMOUNT TO CALC-SALES
MOVE 0 TO CALC-COMMISSION
MOVE 'S' TO EMP-TYPE
CALL 'CWBWSUBC' USING EMP-TYPE CALC-SALES CALC-COMMISSION
END-IF
PERFORM 5000-STORE-EMPLOYEE-DETAIL
SET HOLD-IX UP BY 1
END-IF
5000-STORE-EMPLOYEE-DETAIL .
PERFORM 5100-SET-INDEX
5100-SET-INDEX .
MOVE 'N' TO REGION-ERROR-SW
IF NORTH
ADD 1 TO NORTH-COUNT
SET HOLD-IX TO NORTH-COUNT
IF SOUTH
ADD 1 TO SOUTH-COUNT
SET HOLD-IX TO SOUTH-COUNT
IF EAST
ADD 1 TO EAST-COUNT
SET HOLD-IX TO EAST-COUNT
IF WEST
ADD 1 TO WEST-COUNT
SET HOLD-IX TO WEST-COUNT
MOVE 'Y' TO REGION-ERROR-SW
END-IF
END-IF
END-IF
END-IF
IF VALID-REGION
SET REG-IX TO WA-EMP-REGION
END-IF
IF VALID-REGION
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-TYPE TO HOLD-TYPE (REG-IX HOLD-IX)
MOVE WA-EMP-HIRE-DATE TO HOLD-HIRE-DATE (REG-IX HOLD-IX)
MOVE YRS-OF-SERVICE TO HOLD-YEARS (REG-IX HOLD-IX)
MOVE EMP-COMPENSATION TO HOLD-TOTAL (REG-IX HOLD-IX)
IF HOURLY
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)
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)
END-IF
END-IF
PERFORM 8000-READ-INPUT
8000-READ-INPUT .
READ EMPLOYEE-FILE INTO EMPLOYEE-WORK-AREA
AtEnd
MOVE 'Y' TO EOF-SW
ADD 1 TO RECORDS-READ