Begin
start
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 = 5
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
IF PARM-LTH = 0
MOVE 1 TO START-NUMBER
PERFORM 9800-BAD-PARM
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 ACCEPT TODAYS-DATE FROM DATE CALL 'CWKTDATE' USING END-OF-MONTH-SW YRS-OF-SERVICE TODAYS-DATE WA-EMP-HIRE-DATE
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 'CWKTDATE' USING END-OF-MONTH-SW YRS-OF-SERVICE TODAYS-DATE WA-EMP-HIRE-DATE
PERFORM 5000-STORE-EMPLOYEE-DETAIL
5000-STORE-EMPLOYEE-DETAIL .
SET HOLD-IX UP BY 1
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
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)
PERFORM 5000-STORE-EMPLOYEE-DETAIL
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)
SET HOLD-IX UP BY 1
IF SALES
IF MANAGEMENT
MOVE ' INVALID EMPLOYEE TYPE ' TO ERROR-LINE WRITE REPORT-RECORD FROM ERROR-LINE
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)
PERFORM 3000-PROCESS-SALES
3000-PROCESS-SALES .
IF WA-SALES-AMOUNT > 0
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 'CWKTSUBC' USING EMP-TYPE CALC-SALES CALC-COMMISSION
MOVE 'UH-OH' TO REGION-COMMENT (WA-EMP-REGION)
COMPUTE EMP-COMPENSATION = WA-SALES-SALARY + CALC-COMMISSION ADD EMP-COMPENSATION TO GRAND-TOTAL-EMP CALL 'CWKTDATE' USING END-OF-MONTH-SW YRS-OF-SERVICE TODAYS-DATE WA-EMP-HIRE-DATE
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
PERFORM 6000-PRINT-EMPLOYEE-REPORT
6000-PRINT-EMPLOYEE-REPORT . SET REG-IX TO 1
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
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 'CWKTSUBC' 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
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
ADD 1 TO REG-LINE-COUNT ADD 1 TO REGION-SUB
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
WRITE REPORT-RECORD FROM BLANK-LINE MOVE GRAND-TOTAL-EMP TO EMP-GRAND-TOTAL WRITE REPORT-RECORD FROM EMP-TOTAL-DTL
6100-PRINT-EMPLOYEE-DETAIL .
IF EMP-LINE-COUNT GREATER THAN 55
PERFORM 6200-PRINT-EMPLOYEE-HEADERS
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
MOVE RECORDS-READ TO TOTAL-RECORD MOVE EMP-GRAND-TOTAL TO GRAND-TOTAL
PERFORM 9900-CLOSE
9900-CLOSE . CLOSE EMPLOYEE-FILE CLOSE REPORT-FILE
GOBACK