START

    // Define constants

    DECLARE string HIGH\_NAME = "ZZZZZ"  // Sentinel value for EOF

    DECLARE string bothAtEof = "N"  // Indicator for end of both files

    // Declare variables for salespersons and amounts

    DECLARE string newSalesperson

    DECLARE num newAmount

    DECLARE string usedSalesperson

    DECLARE num usedAmount

    // Declare file inputs and outputs

    DECLARE InputFile newSales

    DECLARE InputFile usedSales

    DECLARE OutputFile allSales

    // Function to prepare files for reading and writing

    FUNCTION getReady()

        OPEN newSales AS "NewSales.dat"

        OPEN usedSales AS "UsedSales.dat"

        OPEN allSales AS "AllSales.dat"

    ENDFUNCTION

    // Main function to start merging sales records

    FUNCTION start()

        CALL getReady()

        // Read first salesperson and amount from both files

        INPUT newSalesperson, newAmount FROM newSales

        INPUT usedSalesperson, usedAmount FROM usedSales

        WHILE bothAtEof != "Y"

            // Check for EOF in newSales file

            IF newSalesperson == HIGH\_NAME THEN

                bothAtEof = "Y"

            ELSE IF usedSalesperson == HIGH\_NAME THEN

                bothAtEof = "Y"

            ENDIF

            // Compare salesperson names and merge or write to allSales

            IF newSalesperson < usedSalesperson THEN

                OUTPUT newSalesperson, newAmount TO allSales

                INPUT newSalesperson, newAmount FROM newSales  // Get next newSales record

                IF EOF(newSales) THEN

                    newSalesperson = HIGH\_NAME  // Handle EOF

                ENDIF

            ELSE IF newSalesperson > usedSalesperson THEN

                OUTPUT usedSalesperson, usedAmount TO allSales

                INPUT usedSalesperson, usedAmount FROM usedSales  // Get next usedSales record

                IF EOF(usedSales) THEN

                    usedSalesperson = HIGH\_NAME  // Handle EOF

                ENDIF

            ELSE  // If salesperson names are equal, merge their sales amounts

                DECLARE num totalAmount = newAmount + usedAmount

                OUTPUT newSalesperson, totalAmount TO allSales

                // Get next records from both newSales and usedSales

                INPUT newSalesperson, newAmount FROM newSales

                INPUT usedSalesperson, usedAmount FROM usedSales

                IF EOF(newSales) THEN

                    newSalesperson = HIGH\_NAME

                ENDIF

                IF EOF(usedSales) THEN

                    usedSalesperson = HIGH\_NAME

                ENDIF

            ENDIF

        ENDWHILE

        // Close all files after merging

        CLOSE newSales

        CLOSE usedSales

        CLOSE allSales

    STOP