

START

```
InputFile geraldineFile #Declare files, create variables, and open file
InputFile gerardFile
OutputFile mergedFile
```

```
DECLARE geraldineCustomerNumber, geraldineLastName, geraldineAddress,
geraldineArea
DECLARE gerardCustomerNumber, gerardLastName, gerardAddress, gerardArea
```

```
OPEN geraldineFile "geraldine.dat"
OPEN gerardFile "gerard.dat"
OPEN mergedFile "mergedCustomers.dat"
```

```
# Read first record from each file
INPUT geraldineCustomerNumber, geraldineLastName, geraldineAddress,
geraldineArea FROM geraldineFile
INPUT gerardCustomerNumber, gerardLastName, gerardAddress, gerardArea FROM
gerardFile
```

```
# While neither file has reached end
WHILE NOT end of geraldineFile AND NOT end of gerardFile
    IF geraldineCustomerNumber < gerardCustomerNumber THEN
        OUTPUT geraldineCustomerNumber, geraldineLastName, geraldineAddress,
geraldineArea TO mergedFile
        INPUT geraldineCustomerNumber, geraldineLastName, geraldineAddress,
geraldineArea FROM geraldineFile
    ELSE
        OUTPUT gerardCustomerNumber, gerardLastName, gerardAddress, gerardArea
TO mergedFile
        INPUT gerardCustomerNumber, gerardLastName, gerardAddress, gerardArea
FROM gerardFile
    ENDIF
ENDWHILE
```

```
# If there are remaining records in geraldineFile
WHILE NOT end of geraldineFile
    OUTPUT geraldineCustomerNumber, geraldineLastName, geraldineAddress,
geraldineArea TO mergedFile
    INPUT geraldineCustomerNumber, geraldineLastName, geraldineAddress,
geraldineArea FROM geraldineFile
ENDWHILE
```

```
# If there are remaining records in gerardFile
WHILE NOT end of gerardFile
    OUTPUT gerardCustomerNumber, gerardLastName, gerardAddress, gerardArea TO
mergedFile
    INPUT gerardCustomerNumber, gerardLastName, gerardAddress, gerardArea FROM
gerardFile
ENDWHILE
```

```
# Close files
CLOSE geraldineFile
CLOSE gerardFile
CLOSE mergedFile
```

END