Program 3 specs

Project Plan

Morning Dew Meteorology

Weather Survey Report

1. Read input file containing yearly precipitation data for each city that participated in the Morning Dew weather survey.

2. Calculate average yearly county precipitation (measured in inches).

3. Calculate average yearly state precipitation, based on county totals (measured in inches).

4. Aggregate and present the data in a report using “state” as the major control field, and “county ” as the minor control field.

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The data used in this report is fictitious and is not required to be accurate.

The data in the input file is sorted by state, and county.

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5. Input layout

 Field         length        class

State         2               alphanumeric

County      20             alphanumeric

City            21            alphanumeric

Rainfall      3              numeric

Snowfall   3              numeric

Hail            3              numeric

Sleet          3              numeric

 6. Layout for Weather Survey Report

Report Heading - Weather Survey Report

Field headings- State, County, City, Rainfall, Snowfall, Hail, Sleet, Total

Total line1- County total:

Total line2- Avg County Precipitation:

Total line3 -Avg State Precipitation:

Col.        Field

 1-21     City

 22        Filler

 23-25   Rainfall

 26-31   FILLER

 32-34   Snowfall

 35-40   FILLER

 41-43   Hail

 44-45   FILLER

 46-48   Sleet

 49-51   FILLER

 52-55   Total