10.7 PROJECTS

Project 10.1 Creating a searchable database

Write a program that allows for the interactive search of a data set, besides the earthquake data from Section 10.2, downloaded from the web or the book website. It may be data that we have worked with elsewhere in this book or it may be a new data set. Your program, at a minimum, should behave like the program that we developed in Section 10.2. In particular, it should:

1. Read the data into a table or parallel lists.

2. Sort the data by an appropriate key.

3. Interactively allow someone to query the data (by a key). When a key is found, the program should print the satellite data associated with that key. Use binary search to search for the key and return the results.