

# CHAPTER 1



## Introduction

### Practice Exercises

- 1.1 This chapter has described several major advantages of a database system. What are two disadvantages?
- 1.2 List five ways in which the type declaration system of a language such as Java or C++ differs from the data definition language used in a database.
- 1.3 List six major steps that you would take in setting up a database for a particular enterprise.
- 1.4 Suppose you want to build a video site similar to YouTube. Consider each of the points listed in Section 1.2 as disadvantages of keeping data in a file-processing system. Discuss the relevance of each of these points to the storage of actual video data, and to metadata about the video, such as title, the user who uploaded it, tags, and which users viewed it.
- 1.5 Keyword queries used in web search are quite different from database queries. List key differences between the two, in terms of the way the queries are specified and in terms of what is the result of a query.

