

## Homework: Chapter 1

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.

1.5 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 updated it, tags, and which users viewed it.

1.8 List four significant differences between a file-processing system and a DBS.

1.10 List five responsibilities of a database-management system. For each responsibility, explain the problems that would arise if the responsibility were not discharged.

1.15 Describe at least 3 tables that might be used to store information in a social-networking system such as Facebook.

1.16 请大家上网查找一下 Oracle、MySQL 等数据库的结构，并与教材上的比较，找出异同点。