Chapter 11

Sets, Maps, and Hashing

After studying this chapter, you should be able to

* Describe a set at the logical level
* Implement a set both explicitly and implicitly
* Describe a map at the logical level
* Implement a map
* Define the following terms:
* Hashing
* Linear probing
* Rehashing
* Clustering
* Collisions
* Design and implement an appropriate hashing function for an application
* Describe how to resolve collisions through linear probing, rehashing, and chaining