In chapter 16, I propose you learn about  
  
Different types of storage and devices and their characteristics  
Fig 16.1, 16.2, Table 16.2 (pages 549-550)  
  
Making data access more efficient on disk ( 16.2.2)  
  
Buffering of blocks, buffer management (will help with project 2 also), buffer replacement policies  
  
How to deal with fixed length and variable length records  (16.4.2) figure 16.5  
  
Spanned records ( 16.4.3), blocking factor, allocating file blocks on disk  
  
File of ordered records ( 16.7)  
  
How to deal with overflows ( second paragraph on page 571, modifying values ( paragraph 3 on page 571)  
  
Primary index, Table 16.3  
  
Hashing Figure 16.8, Folding, collisions, open addressing and chaining ( page 574)  
  
Buckets and external hashing ( 16.8.2)  
Extendible Hashing, Figure 16.11 and Figure 16.12 ( I tried to cover it too fast but we can talk about it in class but you may read from book)  
  
We briefly talked about parallelism, RAID, stripping the data on multiple disks  
  
Go over REVIEW Questions on page 593-595  
  
Always read the summary of chapter.  
  
I will cover Chapter 17 ( indexing soon after I give you introduction to relational model and SQL) in chapter 5 and 6) so you can do home work