

CS1555 – Fall 2009
Review Questions – Week 12
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IMPORTANT: This is NOT a comprehensive list of review questions for the material covered in class. However, they are just a check point for yourself to help you keep up with the class.

- What are the disadvantages of using unspanned blocks for record placement? And when is using spanned placement is better?
- What is the block factor?
- What is PAX?
- Why do we store records in a block backward; i.e., from end of block to end of block's header?
- What are the three alternatives to store variable length attributes? What are the pros and cons of each?
- In which operation (insert, update or delete) is Random files approach efficient?
- What is the complexity of insertion in sequential files?
- What is the difference between sequential and clustered files?
- In what type of queries Hash files perform poorly?
- What is Stored Join?
- What is the problem of linear hashing that led to extendible hashing?
- In Extendible Hashing:
 - What is the depth parameter?
 - When do you increment the depth (&for which bucket)?