CSG 1102 – Operating Systems Workshop08

PART 1

- Discuss different types of file organization schemes. If they were approached by a hospital to maintain the data records of the patients, which file organization would they prefer? Why?

- Discuss different access control verification methods.

- What are the advantages and disadvantages of each method?

- Which of these methods would they prefer for a highly secure system with several files and several users?

- Substantiate your choices with reasons.

- Research multiple file systems for hard disks supported in Windows, such as MS DOS's FAT file system, the 32-bit FAT file system, and the NTFS file management system.

- Perform a search to compile a list of various data-compression techniques that are commonly employed in today's computer systems.

- Which of these techniques provides the best efficiency – that is, the maximum gain in storage space with the least effect on processing time?

PART 2

This week's tutorial looks at different file systems used by Windows and Linux operating systems.

Complete Exercises 3, 4 and 5 from Chapter 8 of the textbook.