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Operating Systems

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Chapter 8 Exercises

1. MacOs runs my laptop. I have a MacBook Pro. Beta, Cheetah, Puma, Kodiak, and Lion
2. Variable length are a record that isn’t of uniform length doesn’t leave empty storage space and doesn’t truncate any characters. Fixed length is a record that always contains the same number of characters.
3. File Deallocation is a file system developed for hard drives that originally used 12 or 16 bits for each cluster entry into the file allocation table. It is used by the operating system (OS) to manage files on hard drives and other computer systems. I am not sure how long it would take my computer to go through this process. I looked it up and did not give me an exact answer
4. I don’t think there are any advantages or disadvantages over the menus and interface.
5. Hashing algorithm is a set of instructions used to perform a key to address transformation in which a records key field determines its location. The key field is a unique field or combination of fields in a record that uniquely identifies that record; or the field that determines the position of a record in a sorted sequence.
6. Variable length record is a record that isn’t of uniform length doesn’t leave empty storage space and doesn’t truncate any characters.
7. The key field is a unique field or combination of fields in a record that uniquely identifies that record; or the field that determines the position of a record in a sorted sequence
8. Device independence is very important to a file manager because if the device was in their multiple times, it could confuse the system and make it harder for the system to run.
9. It is difficult to support direct access because the length can be too long for the file and the system to keep track of. Variable length record is a record that isn’t of uniform length doesn’t leave empty storage space and doesn’t truncate any characters.
10. Working directory is also known as subdirectory in which the user is currently working in.
11. B
12. A
13. RWEE, RWWD, DWER, RRWW
14. Rio branco, raliegh, Rochester, rome, rio de janerio