

ASG2

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Due Tuesday by 11:59pm **Points** 50 **Submitting** a file upload

Available Jan 22 at 12am - Jan 30 at 11:59pm 9 days

[ASG2.pdf](#)

Sample disk image: [disk.img](#)

GUID Formatting

You must have seen that a GUID is 16 bytes, but is written as XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX. The standard method is to read those 16 bytes in blocks of 4, 2, 2, 1, 1, 1, 1, 1, 1, 1, and 1 byte(s) and then perform necessary little to big endian conversion on "each block" (not the whole 16 bytes). Use the converted blocks to then print in the necessary format.

E.g. Say the GUID reads ABCDEF01 23456789 A1B2C3D4 E5F67890 in the file. Then the blocks are ABCDEF01, 2345, 6789, A1, B2, C3, D4, E5, F6, 78, 90 in little endian, which when converted to big endian will be

01EFCDA B, 4523, 8967, A1, B2, C3, D4, E5, F6, 78, 90. The GUID is therefore printed as

01EFCDA B-4523-8967-A1B2-C3D4E5F67890

Some Rubric

Criteria	Ratings	Pts
Clean, Commented Code		5.0 pts
Correct Disk GUID		5.0 pts
Correct First Usable LBA		5.0 pts
Correct Last Usable LBA		5.0 pts
Correct Starting LBA of Partitions		5.0 pts
Correct Number of Partition Entries		5.0 pts
Correct Size of Partition Entries		5.0 pts
Correct Partition Information		15.0 pts
		Total Points: 50.0