What is the binary representation of the hexadecimal number 55	What is the amount of data required for a 3-minute song at a sample rate of 44.1 kHz and a sample resolution of 16 bits	What is the loop used when we know how many times we want the loop to run
What is the purpose of formatting software	What is data compression software	Name two search algorithms

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What is the binary representation of the hexadecimal number 55

The binary representation of the hexadecimal number 55 is 01010101.

What is the amount of data required for a 3-minute song at a sample rate of 44.1 kHz and a sample resolution of 16 bits

Answer: 15,876,000 bytes.

What is the loop used when we know how many times we want the loop to run

FOR loop.

What is the purpose of formatting software

The purpose of formatting software is to create sectors and tracks on a storage device for data storage, and also create a special list called the File Allocation Table (FAT) to keep track of where data is located.

What is data compression software

Data compression software is a program that reduces the size of files to save storage space, improve download times, and increase streaming speeds.

Name two search algorithms

Linear search and binary search.

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