

Programming Glossary

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Bit - The smallest unit of data in computing, representing either a 0 or a 1. Multiple bits are combined to form bytes, which are used to store larger data values.

Byte - A unit of digital information that consists of 8 bits. A byte is commonly used to store a single character of text, such as a letter or a number, in computer memory.

Binary - A number system that uses only two digits, 0 and 1, which are the fundamental building blocks of computer operations. Computers process and store all data in binary format, including text, images, and instructions.

Array - A data structure that stores a fixed-size sequence of elements, all of the same type, in a contiguous block of memory. Arrays allow quick access to elements using an index and are commonly used to manage collections of data.