SHA-256 Algorithm: High-Level Process Flow

Initialize with
8 constants
(prime roots)

INPUT	PADDING	PARSING	COMPRESSION	FINALIZE	OUTPUT
Any length message	+1 bit +zeros +64-bit len	512-bit blocks	64 rounds per block	Concatenate 8 words	256-bit hash

"abc"
(3 bytes)

Ensure length = 448 mod 512

Split into n blocks

AND, XOR, rotate, add

64 hex characters