

## NAME

shasum - Print or Check SHA Checksums

## SYNOPSIS

Usage: shasum [OPTION]... [FILE]...

Print or check SHA checksums.

With no FILE, or when FILE is -, read standard input.

```
-a, --algorithm 1 (default), 224, 256, 384, 512, 512224, 512256
-b, --binary    read in binary mode
-c, --check     read SHA sums from the FILEs and check them
-p, --portable  read files in portable mode
                produces same digest on Windows/Unix/Mac
-t, --text     read in text mode (default)
```

The following two options are useful only when verifying checksums:

```
-s, --status    don't output anything, status code shows success
-w, --warn     warn about improperly formatted checksum lines
```

```
-h, --help     display this help and exit
-v, --version  output version information and exit
```

When verifying SHA-512/224 or SHA-512/256 checksums, indicate the algorithm explicitly using the `-a` option, e.g.

```
shasum -a 512224 -c checksumfile
```

The sums are computed as described in FIPS-180-4. When checking, the input should be a former output of this program. The default mode is to print a line with checksum, a character indicating type (``*'` for binary, ``'` for text, ``?'` for portable), and name for each FILE.

Report shasum bugs to [mshelor@cpan.org](mailto:mshelor@cpan.org)

## DESCRIPTION

Running *shasum* is often the quickest way to compute SHA message digests. The user simply feeds data to the script through files or standard input, and then collects the results from standard output.

The following command shows how easy it is to compute digests for typical inputs such as the NIST test vector "abc":

```
perl -e "print qq(abc)" | shasum
```

Or, if you want to use SHA-256 instead of the default SHA-1, simply say:

```
perl -e "print qq(abc)" | shasum -a 256
```

Since *shasum* mimics the behavior of the combined GNU *sha1sum*, *sha224sum*, *sha256sum*, *sha384sum*, and *sha512sum* programs, you can install this script as a convenient drop-in replacement.

**AUTHOR**

Copyright (c) 2003-2011 Mark Shelor <mshelor@cpan.org>.

**SEE ALSO**

*shasum* is implemented using the Perl module *Digest::SHA* or *Digest::SHA::PurePerl*.