

NAME

shasum - Print or Check SHA Checksums

SYNOPSIS

```
Usage: shasum [OPTION] [FILE]...
       or: shasum [OPTION] --check [FILE]
Print or check SHA checksums.
With no FILE, or when FILE is -, read standard input.
```

```
-a, --algorithm      1 (default), 224, 256, 384, 512
-b, --binary         read files in binary mode (default on DOS/Windows)
-c, --check          check SHA sums against given list
-p, --portable       read files in portable mode
                     produces same digest on Windows/Unix/Mac
-t, --text           read files 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 SHA checksum lines

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

The sums are computed as described in FIPS PUB 180-2. 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 portable, `` '` for text), and name for each FILE.

DESCRIPTION

The *shasum* script provides the easiest and most convenient way to compute SHA message digests. Rather than writing a program, the user simply feeds data to the script via the command line, and waits for the results to be printed on standard output. Data can be fed to *shasum* through files, standard input, or both.

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

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

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

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

Since *shasum* uses the same interface employed by the familiar *sha1sum* program (and its somewhat outmoded ancestor *md5sum*), you can install this script as a convenient drop-in replacement.

AUTHOR

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SEE ALSO

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