

hashlib Python 2.x 2.5–2.7

hashlib implements a common interface to many different secure hash and message digest algorithms. Included are the FIPS secure hash algorithms SHA1, SHA224, SHA256, SHA384, and SHA512.

Examples

MD5 hash of a string

```
>>> import hashlib
>>> m = hashlib.md5()
>>> m.update("Nobody inspects")
>>> m.update(" the spamish repetition")
>>> m.digest()
'\xbbd\x9c\x83\xdd\x1e\xa5\xc9\xd9\xde\xc9\xa1\x8d\xf0\xff\xe9'
>>> m.hexdigest()
'bb649c83dd1ea5c9d9dec9a18df0ffe9'
>>> m.digest_size
16
>>> m.block_size
64
```

or:

```
hashlib.md5("Nobody inspects the spamish repetition").hexdigest()
'bb649c83dd1ea5c9d9dec9a18df0ffe9'
```

Syntax

Parameters

Remarks