

Task 5

The algorithms used to carry out this task are -md5, -sha1, -sha256. The commands and generated has are as follows:

-md5

-md5 command:openssl dgst -md5 task5.txt

-md5 hash: MD5(task5.txt)= 153fb0c9f17279b6f86cdc77f65da964

-sha1

-sha1 command:openssl dgst -sha1 task5.txt

-sha1 hash:SHA1(task5.txt)= 99fa2d6acb9d4570c4ad00ca4bc3d08e3b5defa4

-sha256

-sha256 command:openssl dgst -sha256 task5.txt

-sha256 hash: SHA2-256(task5.txt)=

f0cf866034147d9bf93622c092fcca052df1e97814fdf3ca423ec5a885f60900

Observations

-md5:

1. MD5 produces a 128-bit (16-byte) hash value.

-sha1:

1. SHA-1 produces a 160-bit (20-byte) hash value.

-sha256:

1. SHA-256 produces a 256-bit (32-byte) hash value..