

The following figure shows two pieces of text that have been hashed and displayed in the console window as a Base64-encoded string.



```
file:///C:/Projects/Synfusion/CryptographInDotNet/Hash/bin/Debug/SecureHa...
Secure Hash Demonstration in .NET
-----
Original Message 1 : Original Message to hash
Original Message 2 : This is another message to hash

MD5 Hashes
Message 1 hash = tN51vIMAKicFwctbxBcnxQ==
Message 2 hash = LOYRKZnZFefKcPUJB1UiJQ==
```

Figure 3: Text hashed with MD5

The code for the preceding example is as follows.

```
class Program
{
    static void Main(string[] args)
    {
        var originalMessage = "Original Message to hash";
        var originalMessage2 = "This is another message to hash";

        Console.WriteLine("Secure Hash Demonstration in .NET");
        Console.WriteLine("-----");
        Console.WriteLine();
        Console.WriteLine("Original Message 1 : " + originalMessage);
        Console.WriteLine("Original Message 2 : " + originalMessage2);
        Console.WriteLine();

        var md5hashedMessage =
            HashData.ComputeHashMD5(Encoding.UTF8.GetBytes(originalMessage));
        var md5hashedMessage2 =
            HashData.ComputeHashMD5(Encoding.UTF8.GetBytes(originalMessage2));

        Console.WriteLine();
        Console.WriteLine("MD5 Hashes");
        Console.WriteLine();
        Console.WriteLine("Message 1 hash = " +
            Convert.ToBase64String(md5hashedMessage));
```