```
Console.ReadLine();
}
```

Code Listing 8

Running this code gives you the following result where you can see the key that was generated and the result of hashing two strings with HMACSHA256.

```
### file:///C:/Projects/Synfusion/CryptographtInDotNet/HMAC/bin/Debug/SecureH... 

HMAC Demonstration in .NET

SHA 256 HMAC

HMAC Key = EtBtnqkcfz2DkSbF8KrDKbGm/v5kLdnm8CEn8e2TPoM=

Message 1 hash = xvZ16G9q+BUzPgeiUDqnCTeh2/3dUWf3abhgw5RYPXE=

Message 2 hash = hBvThx3Qp4zwmMKCs7cg61WSmnPwE3xNJSUUM80zjpI =
```

Figure 5: HMAC example using a secret key and HMACSHA256