# CS 305 Module Five Coding Assignment Checksum Verification Template

## Instructions

Using the instructions from theModule Five Coding Assignment Checksum Verification Guidelines and Rubric, replace the bracketed text with the relevant information in your own words.

## Algorithm Cipher

SHA-256

## Justification

I recommend SHA-256 hashing method since it can turn any input into a 256 bit code that cannot be traced back to its original stance. Additionally, it being 256 bits long is a very good thing, since it is extremely hard for two differing inputs to create the same hash this way. It is also apart of the SHA-2 family that is widely used in many industries, it is efficient and fast, has cross-platform support, and does not have any known vulnerabilities at this point in time. Thus, data can be kept safe and secure when using this cipher.

## Generate Checksum

You’ll submit your refactored code to your instructor. Your instructor will review it and this document.

## Verification

A number on a white background

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.