# 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

To avoid collisions, my recommendation will be to use the SHA256 Algorithm Cipher.

## Justification

SHA256 produces a certain fixed- length hash values for any input, minimizing the likelihood of collisions and providing excellent security. SHA256 is a strong and widely used algorithm in cryptographic applications, adhering to the Java Security Standard Algorithm Names.

## Generate Checksum

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

## Verification

Insert a screenshot below of the web browser with your unique information.

A screenshot of a computer screen

AI-generated content may be incorrect.