*Function* cca\_secure

*Input Arguments*

m- plain text, binary string

iv-initialization vector, binary string

block\_length- integer

k- key, binary string

*Output*

Cipher text – binary string

*Logic*

This function calls the cpa\_secure with the respective inputs.

The output obtained above is the CPA secure cipher text. It given as input for the function call cbc\_mac and generates CMAC

The final output is CMAC concatenated to cipher text.

*Usage*

This function is used to generate CCA secure cipher text