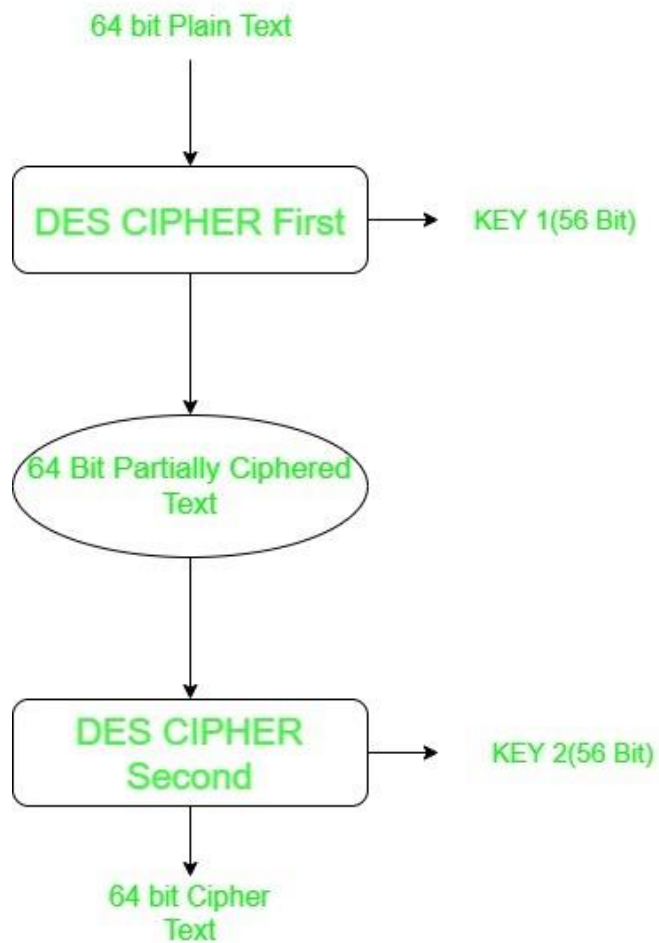# 3DES

3DES, also known as triple Data Encryption Algorithm, was first published in 1981. It has now been retired in 2023 as the current NIST federal standard. It uses the Data Encryption Standard (DES) cipher 3 times to encrypt the target object/data. This algorithm is a symmetric key cipher, this means it uses the same key to encrypt as it does to decrypt the target object. The algorithm takes the target object and then turns it into a 56-bit block size as it is now encrypted. The algorithm takes the 64-bit target object and turns it into 56-bit cipher and key. The algorithm uses 16 rounds so this means the algorithm has a subkey size of 48 bits.

REFERENCES

https://www.comparitech.com/blog/information-security/3des-encryption/

https://www.youtube.com/watch?v=WQg1nXDy27Q

https://www.geeksforgeeks.org/double-des-and-triple-des/