

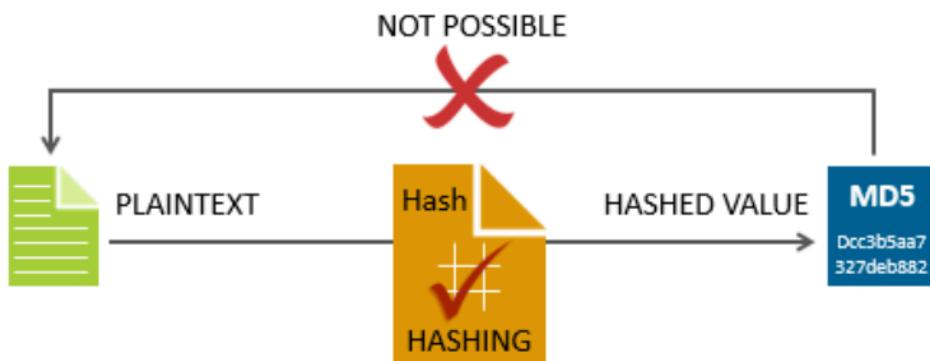
# Hasing

## Theory:

Hash function is a cryptographic function that maps data of arbitrary size to a fixed size value. The process of mapping data is called hashing and the output returned from the cryptographic function is called hash values or hashes.

Hash Function holds the following properties:

- Quick
- Irreversible
- Infeasible, making it impossible to find two different messages from the same hash value



## Procedure:

Colab Notebook Link: [Lab 6 - Hasing \[Fall-2025\]](#)

1. Download password list:  
<https://drive.google.com/file/d/1YsQsIM7eaAbIPTDnWXgYnzUFOEGNeJgw/view?usp=sharing>
2. Try to decrypt the password using a dictionary attack