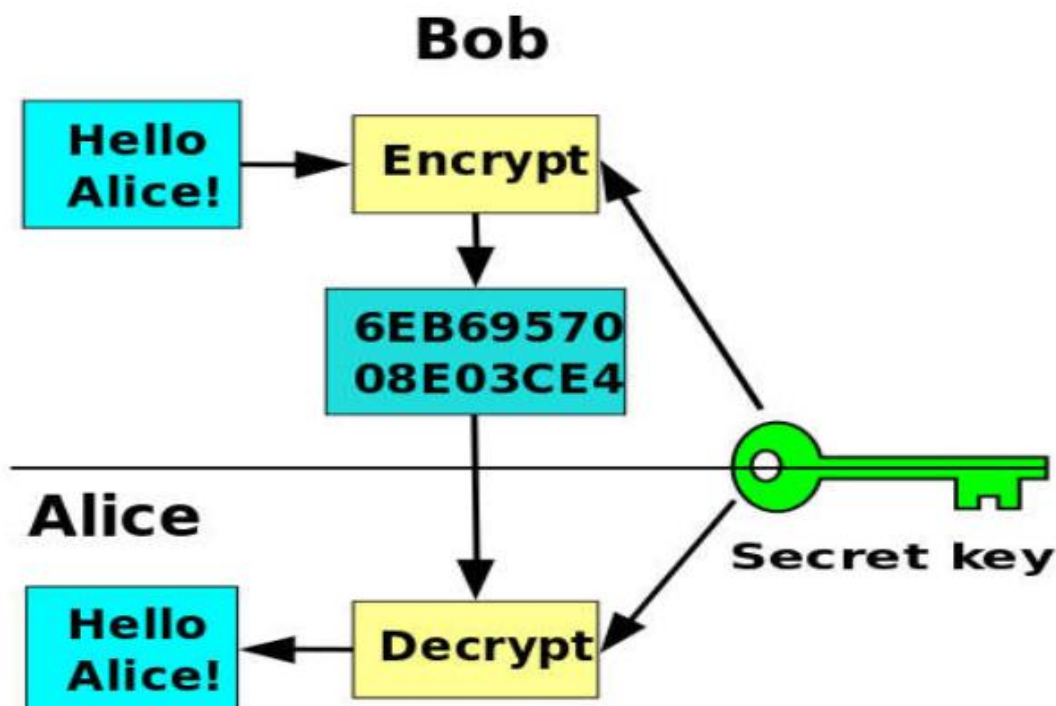


# Symmetric Key Cryptography Review

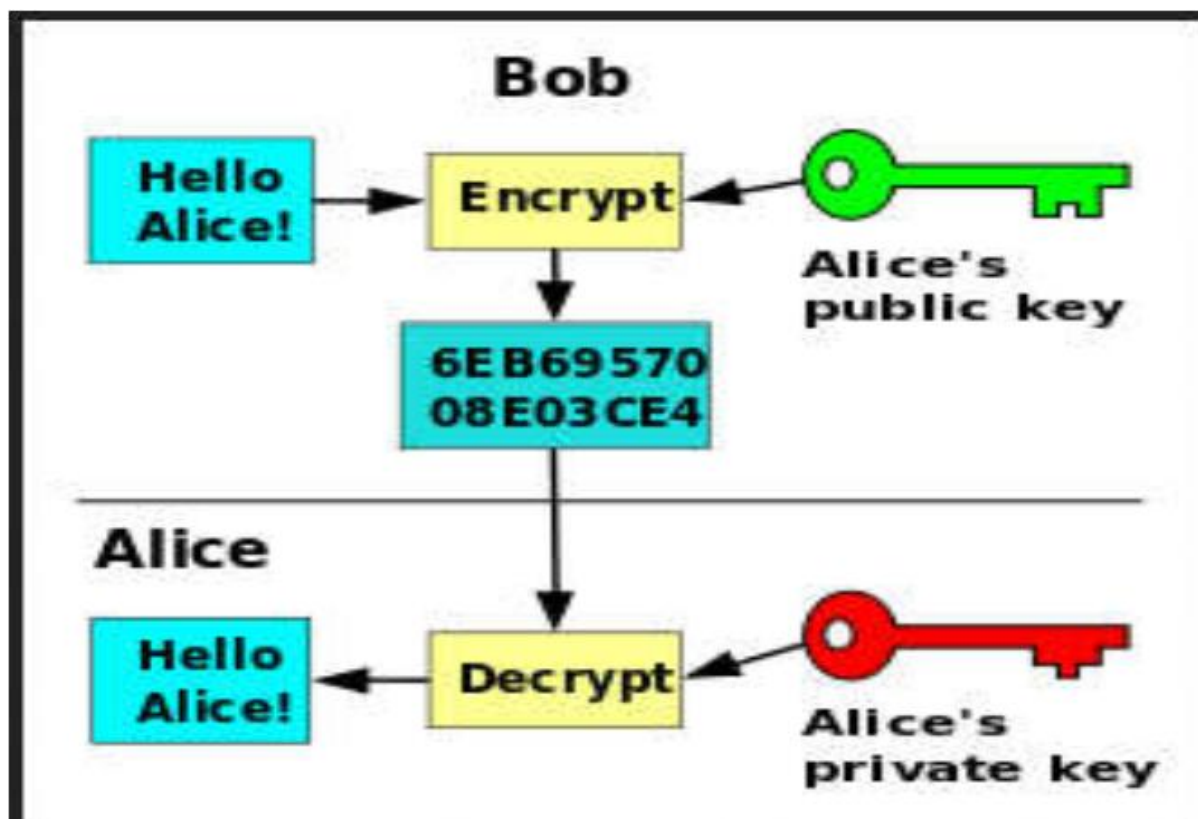
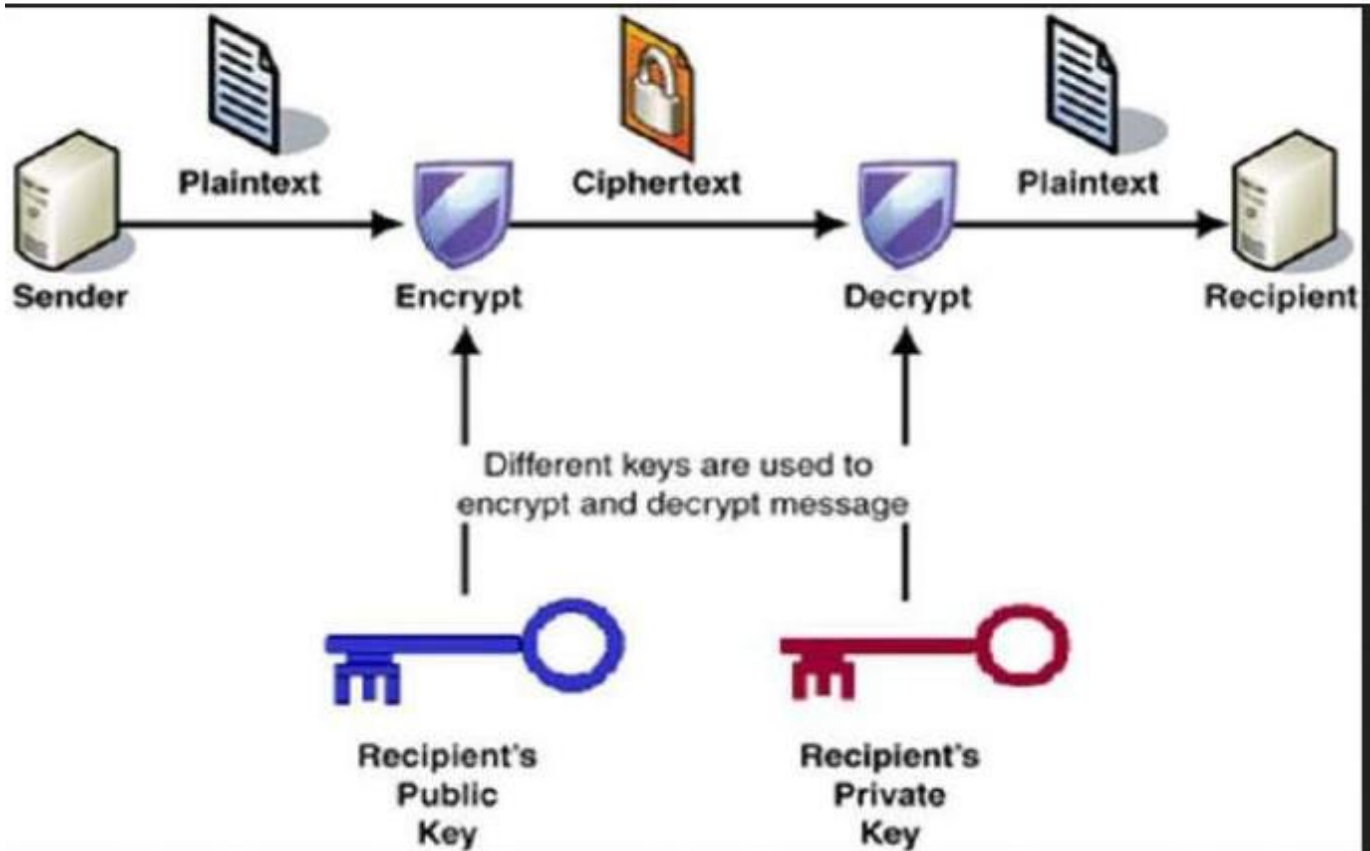
## ➡ Symmetric Algorithms

- DES – Data Encryption Standard (56 bits)
- 3DES – 3 DES keys
- AES – 128, 192 and 256 bits
- IDEA – 128 bits
  - International Data Encryption Algorithm
- Blowfish – up to 448 bits
- Twofish – up to 256 bits
- RC4 (variable) – stream cipher
- RC5 – up to 2048 bits
- RC6 – up to 2048 bits
- CAST – 40, 64, 128, and 256 bits
- SAFER – block cipher developed by the co-creator of IDEA
- Serpent – Runner-up cipher in the AES competition

## Symmetric - Confidential



# Asymmetric Encryption



# Digital Signature

