



What is Digital Signature?

• A digital signature scheme typically consists of three algorithms:

- A *key generation* algorithm that selects a *private key* uniformly at random from a set of possible private keys. The algorithm outputs the private key and a corresponding *public key*.
- A *signing* algorithm which, given a message and a private key, produces a signature.
- A *signature verifying* algorithm which given a message, public key and a signature, either accepts or rejects.

















