Writing Smart Contracts Assignment 01: Introduction

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Compulsory	Exercise
Exercise 1. Writ	e a short (≤ 2 sentences) definition of the following terms:
(a) Hash	
(b) Address	
(c) Block	
(d) Consensus a	lgorithm
	ch of the following cryptographic functions are required for what on the
blockchain? Link	with an arrow.
Hashing \bigcirc	○ Ensure that transactions are authentic
Encryption \bigcirc	○ Ensure that transactions cannot be reversed
Signing (○ Ensure that transactions are secret
Exercise 3. Water	ch (or finish watching) the introduction to Algorand by Silvio Micali on
Youtube: https:/	//www.youtube.com/watch?v=NykZ-ZSKkxM

Exercise 4. Watch (or finish watching) the calculation of the SHA-256 algorithm by hand: https://www.youtube.com/watch?v=y3dqhixzGVo