Assignment 04
The due date for submitting this assignment has passed. Any points you have not submitted will be deducted from your final grade.

Due on 2020-03-25, 23:59 IST.

1. Which of the following requires a hard fork?
   - A requirement that all transactions have the outputs sent by value in ascending order
   - Adding a new OPUSHOP instruction
   - Decreasing the size of transaction
   - Disabling the OP_VERIFY instruction
   - No, the answer is incorrect.
   Accepted Answers:
   - Adding a new OPUSHOP instruction
   - Decreasing the size of transaction
   No, the answer is incorrect.

2. What is a SHV client?
   - nodes sending every block on the blockchain
   - nodes sending every block but storing only the header blocks
   - nodes storing fully validating nodes and storing only block headers
   - nodes including the target for the block
   - No, the answer is incorrect.
   Accepted Answers:
   - nodes sending fully validating nodes and storing only block headers
   No, the answer is incorrect.

3. A blockchain daemon:
   - Hashes of transactions
   - None
   - Nothing
   - Previous block hash
   - No, the answer is incorrect.
   Accepted Answers:
   - Hashes of transactions
   No, the answer is incorrect.

4. Which one of the following is not a limitation of bitcoin?
   - Scalability
   - obsolvability
   - Cryptographic assumptions
   - Hard Limitations
   - No, the answer is incorrect.
   Accepted Answers:
   - obsolvability
   No, the answer is incorrect.

5. Amount of gas per operation in smart contract is:
   - Fixed
   - Different for each transaction
   - Different per time
   - Different per second
   - No, the answer is incorrect.
   Accepted Answers:
   - Fixed
   No, the answer is incorrect.

6. Which of the following are the benefits of ETH based model over Account based model?
   - Privacy
   - Incurs a high storage
   - Scope of Scalability
   - Simple
   - No, the answer is incorrect.
   Accepted Answers:
   - Privacy
   No, the answer is incorrect.

7. Solidity support following features?
   - Interfaces
   - Structs
   - Tuple
   - Enumerated types
   - No, the answer is incorrect.
   Accepted Answers:
   - Interfaces
   No, the answer is incorrect.

8. If smart contracts cannot access the data outside memory and storage?
   - True
   - False
   - Accepted Answers:
   - True
   No, the answer is incorrect.

9. Benefits of Account model
   - Higher degree of privacy
   - Large space to store
   - Simplicity
   - None of the above
   - No, the answer is incorrect.
   Accepted Answers:
   - Higher degree of privacy
   No, the answer is incorrect.

10. Differences in algorithm from Ethereum?
    - Accounts and not UTCDs
    - Move Patricia Trees
    - EVM
    - None of the above
    - No, the answer is incorrect.
    Accepted Answers:
    - Move Patricia Trees
    No, the answer is incorrect.