truffle framework.

b) Create a smart contract for supply chain management (SCM). SCM involves multiple parties, such as suppliers, manufacturers, distributors, retailers, and consumers, who need to exchange information, money, and products. Using smart contracts, record transaction and movement of goods and track on a shared ledger that is visible and verifiable by all participants, which can increase trust, accountability, and traceability in the supply chain. Additionally, execute predefined actions based on predefined conditions, such as releasing payments, transferring ownership, or triggering alerts, which can reduce manual errors, delays, and fraud, as well as save time and resources.

Q8. a) Create a simple smart game contract that allows a player to stake ETH and the pool is shuffled and any random player to win the round and as soon as a winner emerges a new pool begins. In each pool, the record of the number of winners, losers, and total number of players need to be maintained using appropriate storage management.

b) Explain integer overflow attack and 51% attack in solidity language.

(2.5+2.5)

(2.5+2.5)