



Blockchain and Solidity

Muhammad Irfan
Software Engineer



What is Solidity ?

A banner for Solidity for Ethereum Smart Contracts. It features a dark blue background with faint, glowing lines of code in a monospace font. On the right side, there are several white and light blue geometric shapes, including triangles and a larger diamond-like shape, arranged in a pattern that suggests a network or blockchain structure. The text "Solidity for Ethereum" is in a smaller, white, sans-serif font, and "Smart Contracts" is in a larger, bold, white, sans-serif font.

Solidity for Ethereum
Smart Contracts

Solidity is an object-oriented programming language created specifically by the Ethereum Network team for constructing and designing smart contracts on Blockchain platforms. It's used to create smart contracts that implement business logic and generate a chain of transaction records in the blockchain system.

We will discuss about

Smart Contract



Contract is in paper form where as smart contract is a small computer programme

The concept of smart contract was given by **Nick Szabo in 1994**, long before Bitcoin was programmed.

Solidity is the programming language used to develop smart contract in etherium Blockchain

Syntax used in Solidity are same to that of syntax used in Javascript



Smart Contract

How does a Smart Contract Work?



Identify Agreement

Multiple parties identify the cooperative opportunity and desired outcomes.



Set conditions

Smart contracts are executed automatically when certain conditions are met.



Code business logic

A computer program is written



Encryption and blockchain technology

Encryption provides a secure transfer of messages between parties.



Execution and processing

The code is executed and outcomes are memorialized.



Network updates

All the nodes on the network update their ledger.

**Vending Machine
dispenses snacks and
drinks with 100% trust.**

Automatic





Thank you.

