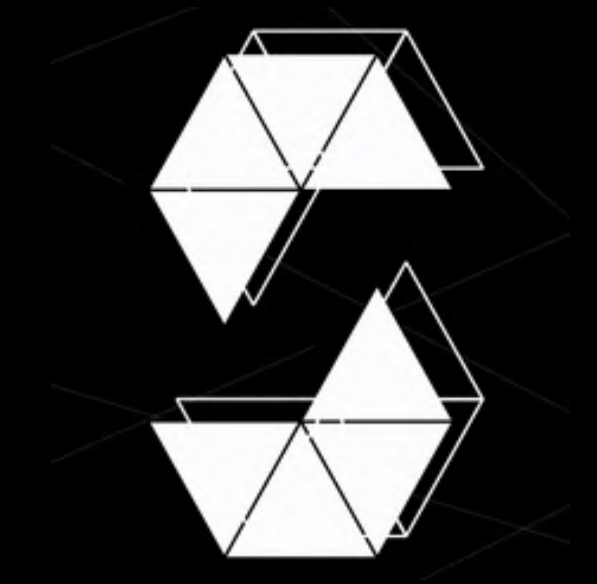# EVM CODING

# Solidity

Solidity is an object-oriented, high-level language for implementing smart contracts. Smart contracts are programs that govern the behavior of accounts within the Ethereum state.

It is specifically designed to target the Ethereum Virtual Machine (EVM).

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# Solidity Features

**Object-Oriented**: Solidity supports object-oriented programming concepts, allowing developers to create complex data structures and contracts.

**Smart Contract Support**: Solidity provides specific constructs like state variables, functions, events, and modifiers for developing smart contracts.

**Ethereum Integration**: Solidity allows interaction with the Ethereum blockchain and handling of Ether (ETH) transactions.

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# ERC Standards

✦   **ERC-20 TOKEN STANDARD** ↗

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✦   **ERC-721 NFT STANDARD** ↗

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✦   **ERC-1155 MULTI-TOKEN STANDARD** ↗

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# Coding

```
// Solidity code for a simple smart contract
contract HelloWorld {
    string public greeting;

    constructor() {
        greeting = "Hello, World!";
    }

    function changeGreeting(string memory newGreeting) public {
        greeting = newGreeting;
    }
}
```

https://github.com/owieth/evm-intro/

https://remix.ethereum.org/

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# Deployment

## EVM Compatible Blockchains

✦     BSC

✦     Artibtrum

✦     Polygon

✦     Avalanche

✦     Optimism

✦     Fantom

## Recent Additions

✦     IOTA

✦     Solana

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# Resources

✦ https://ethereum.org/ ↗

✦ https://solidity-by-example.org/ ↗

✦ https://ethereum.org/en/developers/learning-tools/ ↗

✦ https://etherscan.io/ ↗

✦ https://openchain.xyz/signatures ↗

✦ https://www.pointer.gg/ ↗

✦ https://cryptozombies.io/ ↗

✦ https://learnweb3.io/ ↗

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# About me

✦  Blockchain Engineer @ frigg.eco ↗

✦  Co-Founder / Founding Member @ swissDAO ↗

✦  Building Projects on the Side

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