LESSON 9: HARDHAT SMART CONTRACT LOTTERY

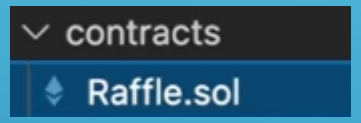
Reference: Patrick Collins

INTRODUCTION

- Open github https://github.com/PatrickAlphaC/hardhat-smartcontract-lottery-fcc

HARDHAT SETUP - SMART CONTRACT LOTTERY

- Install dependencies: “yarn add --dev @nomiclabs/hardhat-ethers@npm:hardhat-deploy-ethers ethers @nomiclabs/hardhat-etherscan @nomiclabs/hardhat-waffle chai ethereum-waffle hardhat hardhat-contract-sizer hardhat-deploy hardhat-gas-reporter prettier prettier-plugin-solidity solhint solidity-coverage dotenv”
- Install dependencies (Typescript version): “yarn add --dev @nomiclabs/hardhat-ethers@npm:hardhat-deploy-ethers ethers @nomiclabs/hardhat-etherscan @nomiclabs/hardhat-waffle chai ethereum-waffle hardhat hardhat-contract-sizer hardhat-deploy hardhat-gas-reporter prettier prettier-plugin-solidity solhint solidity-coverage dotenv @typechain/ethers-v5 @typechain/hardhat @types/chai @types/node ts-node typechain typescript”




```
contracts > Raffle.sol
1   // Raffle
2   // Enter the lottery (paying some amount)
3   // Pick a random winner (verifiably random)
4   // Winner to be selected every X minutes -> completly automate
5   // Chainlink Oracle -> Randomness, Automated Execution (Chainlink Keepers)
6
7   // SPDX-License-Identifier: MIT
8
9   pragma solidity ^0.8.7;
```

https://github.com/PatrickAlphaC/hardhat-smartcontract-lottery-fcc/tree/main/contracts

RAFFLE.SOL SETUP