Hardhat FundMe Contract

1. Linting:

* linting is the process of running program that will analyse code for potential error.

Eg. Solhit.

* Install : yarn add --dev solhint
* Run solhint : yarn solhint contract/filename.sol

2. Import ChianLink:

* Yarn add –dev @chainlink/contracts

3. Deploy Contract: Using Hardhat-Package.

1. We will use hardhat-deploy package, it is use for deploying contract and easy testing of the contract.
2. Install: - Yarn add --dev hardhat-deploy
3. Add “require(“hardhat-deploy”)” under hardhat-config file.
4. Create new deploy folder and write script under it.
5. And install another package hardhat-deploy-ethers it will replace ethers.js.
6. Install: yarn add –dev @nomiclabs/hardhat-ethers@npm:hardhat-deploy-ethers ethers
7. To run deploy – yarn hardhat deploy

4. Mocks:

Mocking is primarily used in unit testing.

An object under test may have dependencies on other (complex) objects. To isolate the behaviour of the object you want to replace the other objects by mocks that simulate the behaviour of the real objects.

5.Testing:

We will work on two testing

Unit testing: Unit testing is a software development process in which the smallest testable parts of an application, called units, are individually and independently scrutinized for proper operation.

Staging: Staging environments test on a near-production level in a non-production environment and can lead to further confidence in the software when in production. Staging environments conduct tests that prevent problems in production and thwart poor performance for the end user.