Upgrade Homework

We are using gitpod: https://gitpod.io/workspaces (https://gitpod.io/workspaces)

- Create a new Workspace
- Navigate to the Upgrade directory
- run npm i to install the dependencies
- run npx ganache-cli and in a separate terminal npx truffle console
- 1. Add your volcano token contract to the contracts directory
- 2. Add a unit test to check the mint function
- 3. Add a constant to your contract called VERSION, set this to 1
- 4. Write a unit test to check that VERSION is correctly set
- 5. Write a unit test to check that the token symbol has been set corrctly

Now we are ready to make the contract upgradeable

- 6. Inherit from any upgradeable versions of open zeppelin contracts, including UUPSUpgradeable, and adjust the imports accordingly.
- 7. Set VERSION to 2
- 8. If you have a constructor remove it.
- 9. Write an initialize function to setup your contract, this will need to call any inherited initialize functions as appropriate
- 10. Adjust the migration script to use the deployProxy
- 11. Migrate and test your contract
- 12. Now create a copy of your contract, change the contract name and the version number
- 13. Create a new migration script to upgrade the contract.
- 14. Test that the upgrade has succeeded
- 15. Write a unit test to test the upgrade process