

# Sensitive On-Chain Data Exercise 2

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## Intro

There is a secret door from Hogwarts deployed on the Goerli Ethereum Testnet.

The secret door contract address is: `0x148f340701D3Ff95c7aA0491f5497709861Ca27D`

Your goal in this exercise is to collect information about this door, and eventually, unlock it.

**Note: This exercise is executed on an Goerli testnet local fork block number `8660077`. Everything is already configured in the `hardhat.config.js` file.**

**Note: In this exercise you don't have access to the source code of the `SecretDoor.sol` smart contract.**

## Setup

Update your `.env` file and add the GOERLI Infura RPC url:

```
GOERLI = 'https://goerli.infura.io/v3/9aa3d95b3bc440fa88ea12eaa4456161'
```

## Accounts

- 0 - Muggle (You)

## Tasks

### Task 1

Find the door number and the door owner's name.

### Task 2

Unlock the door 

## Useful Links

- [Goerli EtherScan](#)
- [Cast Commands](#)

## Goerli Public RPC Nodes

```
https://goerli.infura.io/v3/9aa3d95b3bc440fa88ea12eaa4456161  
https://ethereum-goerli-rpc.allthatnode.com
```