Lesson 8 Documentation

Constant.js

```
inputs: [
      internalType: "address",
      name: "priceFeed",
type: "address",
   stateMutability: "nonpayable",
   type: "constructor",
   inputs: [],
name: "MINIMUM_USD",
   outputs: [
      internalType: "uint256",
      name: "",
type: "uint256",
   stateMutability: "view",
   type: "function",
   inputs: [],
   name: "cheaperWithdraw",
   outputs: [],
   stateMutability: "payable",
   type: "function",
```

```
inputs: [],
name: "fund",
outputs: [],
stateMutability: "payable",
type: "function",
},

inputs: [
    internalType: "address",
    name: "fundingAddress",
    type: "address",
    },
},

name: "getAddressToAmountFunded",
outputs: [
    internalType: "uint256",
    name: "",
    type: "uint256",
    },
},
stateMutability: "view",
type: "function",
},

inputs: [
    internalType: "uint256",
    name: "index",
    type: "uint256",
    name: "index",
    type: "uint256",
},
```

```
stateMutability: "view",
  type: "function",
Í
  inputs: [],
  name: "getVersion",
  outputs: [
      internalType: "uint256",
      name: "",
      type: "uint256",
    },
  ],
  stateMutability: "view",
  type: "function",
},
  inputs: [],
  name: "withdraw",
  outputs: [],
  stateMutability: "payable",
  type: "function",
```

```
import { abi, contractAddress } from "./constants.js"
const connectButton = document.getElementById("connectButton")
const withdrawButton = document.getElementById("withdrawButton")
const fundButton = document.getElementById("fundButton")
const balanceButton = document.getElementById("balanceButton")
connectButton.onclick = connect
withdrawButton.onclick = withdraw
fundButton.onclick = fund
balanceButton.onclick = getBalance
async function connect() {
  if (typeof window.ethereum !== "undefined") {
    try {
     await ethereum.request({ method: "eth requestAccounts" })
    } catch (error) {
     console.log(error)
   connectButton.innerHTML = "Connected"
    const accounts = await ethereum.request({ method: "eth_accounts" })
   console.log(accounts)
   connectButton.innerHTML = "Please install MetaMask"
```

```
ync function withdraw() {
  console.log(`Withdrawing...
  if (typeof window.ethereum !== "undefined") {
   const provider = new ethers.providers.Web3Provider(window.ethereum)
   const signer = provider.getSigner()
   const contract = new ethers.Contract(contractAddress, abi, signer)
     const transactionResponse = await contract.withdraw()
     await listenForTransactionMine(transactionResponse, provider)
     console.log(error)
async function fund() {
 const ethAmount = document.getElementById("ethAmount").value
  console.log(`Funding with ${ethAmount}...'
  if (typeof window.ethereum !== "undefined") {
   const provider = new ethers.providers.Web3Provider(window.ethereum)
   const signer = provider.getSigner()
   const contract = new ethers.Contract(contractAddress, abi, signer)
      const transactionResponse = await contract.fund({
       value: ethers.utils.parseEther(ethAmount),
     await listenForTransactionMine(transactionResponse, provider)
     console.log(error)
    fundButton.innerHTML = "Please install MetaMask"
```