**HW2**

1. Using a blockchain explorer, have a look at the following transactions, what do they do ?

0x0ec3f2488a93839524add10ea229e773f6bc891b4eb4794c3337d4495263790b

* In June 2016, users exploited a vulnerability in The DAO code to enable them to siphon off one-third of The DAO's funds to a subsidiary account. The Ethereum community controversially decided to [hard-fork](https://en.wikipedia.org/wiki/Fork_(blockchain)#Hard_fork) the Ethereum blockchain to restore approximately all funds to the original contract. This split the Ethereum blockchain into two branches, each with its own cryptocurrency, where the original unforked blockchain continued as Ethereum Classic.

0x4fc1580e7f66c58b7c26881cce0aab9c3509afe6e507527f30566fbf8039bcd0

* From uniswap deployer 2 to uniswap v2 router 2

0x552bc0322d78c5648c5efa21d2daa2d0f14901ad4b15531f1ab5bbe5674de34f

* Poly network exploit on 10-Aug 2021.

0x7a026bf79b36580bf7ef174711a3de823ff3c93c65304c3acc0323c77d62d0ed

* 12 Aug 2021
* Poly network exploit – exploiter return from his ETH address (0xC8a65Fadf0e0dDAf421F28FEAb69Bf6E2E589963) of wad 96942062859278579158967305. (Conversion rate?)

0x814e6a21c8eb34b62a05c1d0b14ee932873c62ef3c8575dc49bcf12004714eda

* 160 Eth bounty transferred to the attacker to unlock the rest of the $141 million hostage.
* 19 Aug 2021

1. What is the largest account balance you can find ?

* [0x00000000219ab540356cbb839cbe05303d7705fa](https://etherscan.io/address/0x00000000219ab540356cbb839cbe05303d7705fa)
* Beacon Deposit Contract 14,313,127 Ether

1. What is special about these accounts :
   1. 0x1db3439a222c519ab44bb1144fc28167b4fa6ee6
      1. Validator?
   2. 0x000000000000000000000000000000000000dEaD
      1. This address is commonly used by projects to burn tokens
2. Using [remix](https://remix.ethereum.org) add [this](https://gist.github.com/extropyCoder/77487267da199320fb9c852cfde70fb1) contract as a source file
   1. Compile the contract
   2. Deploy the contract to the Remix VM environment

Graphical user interface, application

Description automatically generated