**Homework 2**

1. How many validators are there currently ?
   1. 2,299 Validators on 31 Oct 2022
2. What is special about this [block](https://explorer.solana.com/block/0)?
   1. This is the Genesis block, which is the 1st block created in the Solana decentralized Ledgar
3. What is special about this [address](https://explorer.solana.com/address/1nc1nerator11111111111111111111111111111111)
   1. This address is the burn address, also called as Incinerator address, which is used to burn tokens and ones the tokens are transferred to this address, they cannot be retrieved back
4. What is this [transaction](https://explorer.solana.com/tx/45pGoC4Rr3fJ1TKrsiRkhHRbdUeX7633XAGVec6XzVdpRbzQgHhe6ZC6Uq164MPWtiqMg7wCkC6Wy3jy2BqsDEKf) doing ?
   1. This is a multiple signer transaction where one signer paid the transaction fee and other signer burns 11,365,066.99 $SOL by transferring to burn/incinerator address
5. What is the largest account you can find ?
   1. Address [9WzDXwBbmkg8ZTbNMqUxvQRAyrZzDsGYdLVL9zYtAWWM](https://explorer.solana.com/address/9WzDXwBbmkg8ZTbNMqUxvQRAyrZzDsGYdLVL9zYtAWWM) holds 10,751,256 Solana (nearly 2.10% of the total supply) making it the largest account in Solana blockchain as of 31 Oct 2022
6. What advantages will the end user see when using Solana compared to other blockchains ?
   1. Low-cost transaction

High speed compared to other blockchain

1. Install Rust in preparation for tomorrow's lesson,
   1. Follow [these](https://www.rust-lang.org/tools/install) instructions for Mac / Linux
   2. See [these](https://forge.rust-lang.org/infra/other-installation-methods.html) instructions for Windows
   3. Alternatively use gitpod for a linux environment

Done