

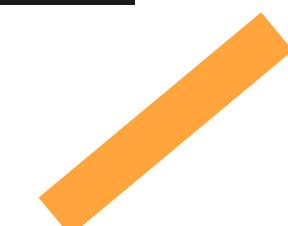
# **Building on the World Computer**

# Hi, I'm Kaushal



- SDE2 at Pedals Up
- CTO and Cofounder at getriff.xyz
- Builder

[Twitter](#), [Linkedin](#), [Github](#), [Instagram](#)



# Let's Start with Assets

Three major kind of assets (widely acknowledged) on ethereum are:

- ERC20
- ERC721
- ERC1155

# ERC20

Possible Applications:

- Cryptocurrencies
- Voting
- What More ?

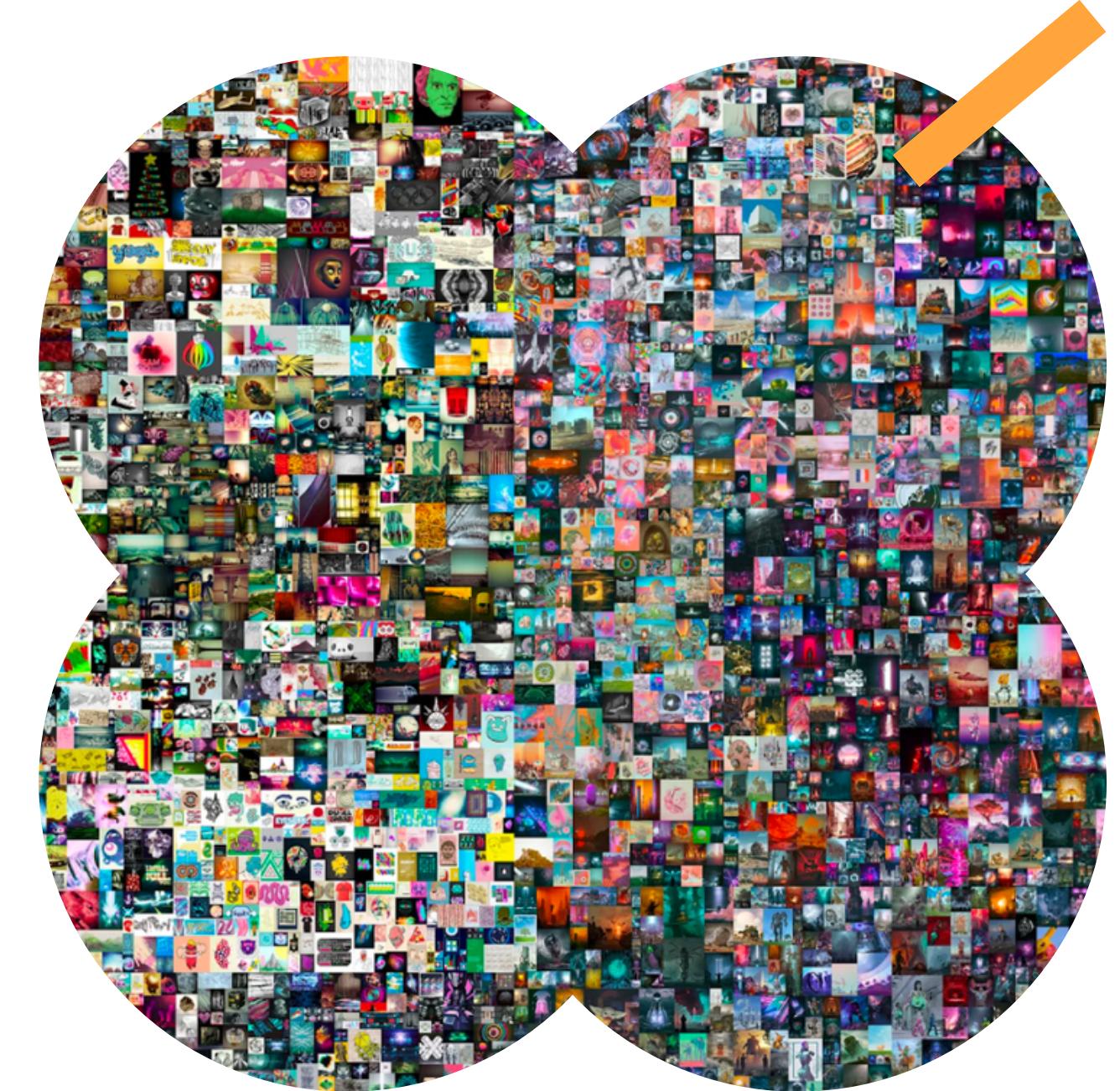


Let's try to create our own ERC20 Token (or refer the OpenZepplin contract)

# ERC721

Possible Applications:

- Digital Art
- Collectibles
- Event Tickets
- Gaming Assets
- Legal Records (Single Owner)



Let's try to create our own ERC721 Token (or refer the OpenZepplin contract).  
with TokenURI

# ERC1155

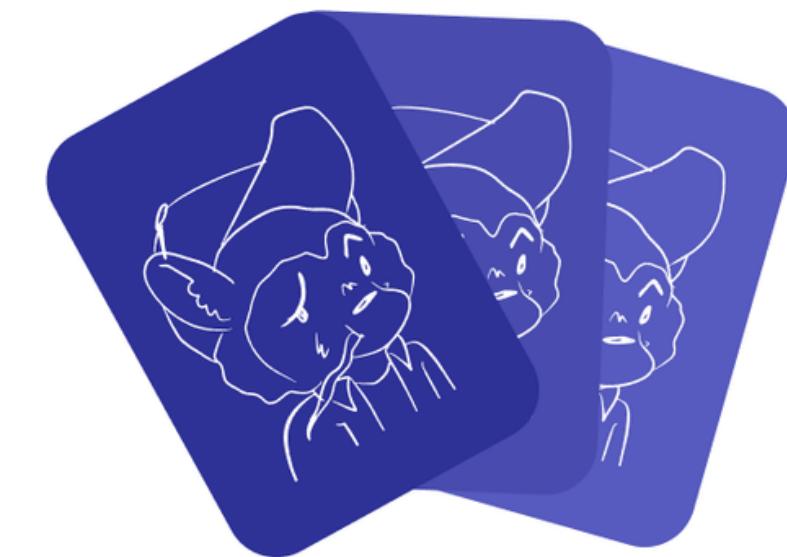
Possible Applications:

- Digital Art
- Collectibles
- Event Tickets
- Gaming Assets
- Legal Records (Multiple Owners)



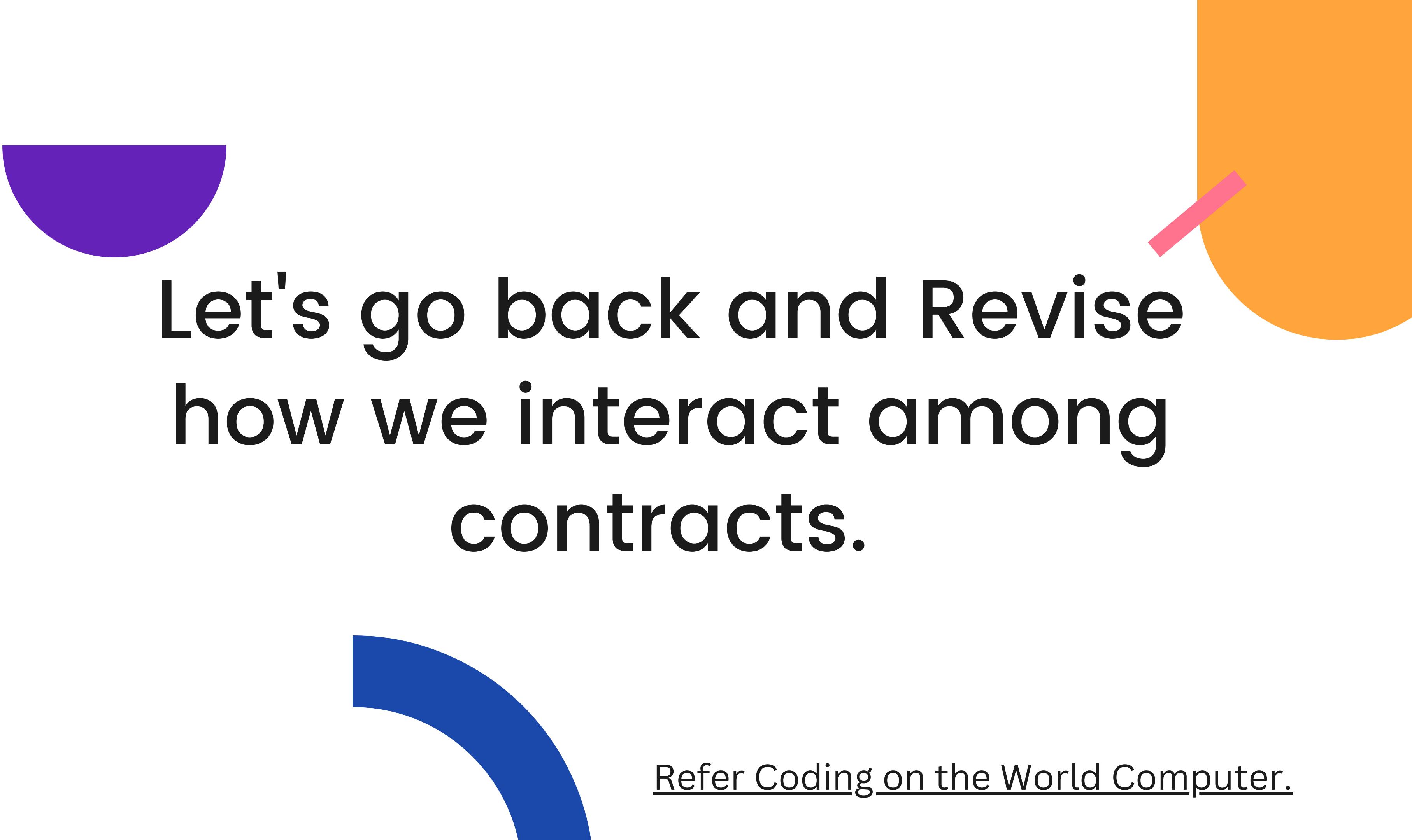
ERC-721

VS



ERC-1155

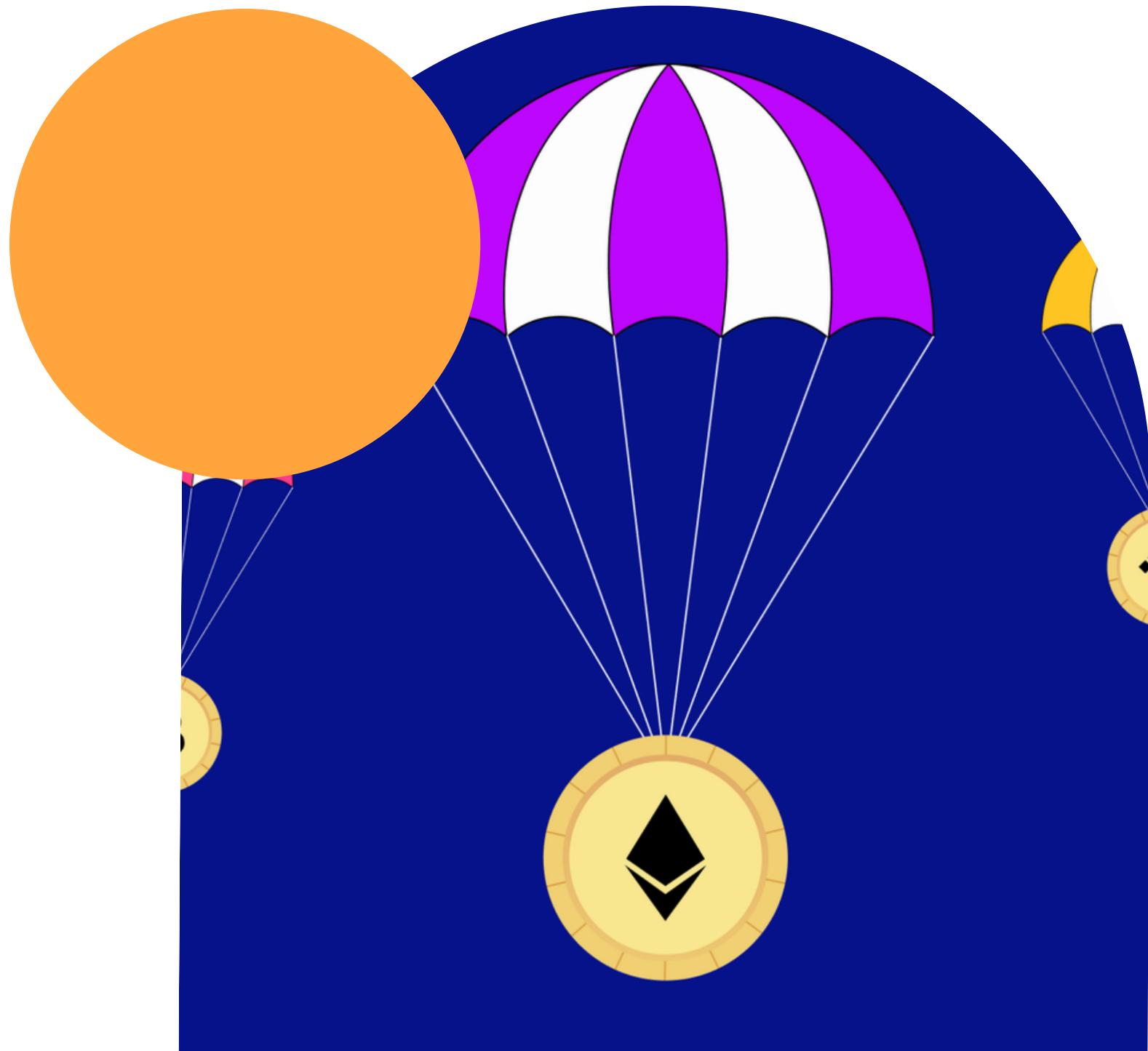
Let's try to create our own ERC1155 Token (or refer the OpenZeppelin contract)



**Let's go back and Revise  
how we interact among  
contracts.**

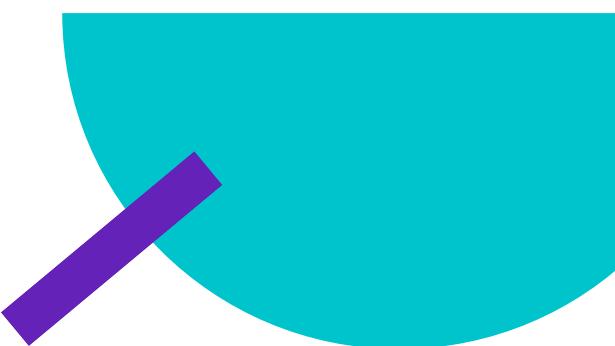
[Refer Coding on the World Computer.](#)

## Solution



Problem: Distribute 100 tokens from an ERC20 contract to preapproved 200,000 users every week.

This process is also called an Air Drop, it is very common for projects to do airdrops to distribute rewards to users!



Solution: Merkle Trees

**Creating new contracts from a contract**

