SMART CONTRACT

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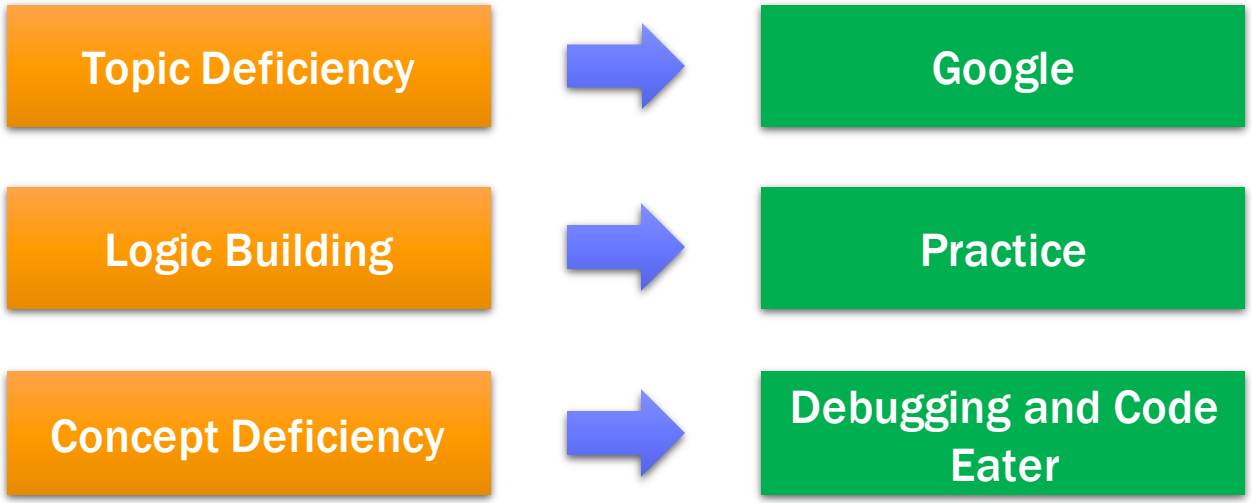
HOW TO TACKLE PROBLEMS



METAMASK

Code Eater

METAMASK

Code Eater

SMART CONTRACT DEPLOYMENT

MAINNET VS TESTNET

Mainnet	Testnet
Used for actual transactions with value.	Used for testing smart contracts and dapps.
Mainnet's network id is 1.	Every testnet has its own id.
Example – Ethereum Mainnet	Example – Goerli
Click Here – etherscan	Click Here – goerli.etherscan

GOERLI FAUCET

Click Here – [Goerli Faucet]

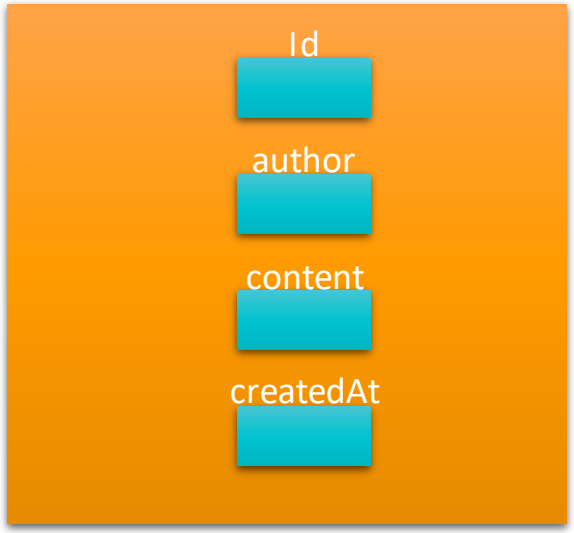
TWITTER CONTRACT

User

- Tweet
- Message
- Latest Tweets
- Other Things

TWITTER STRUCTURE

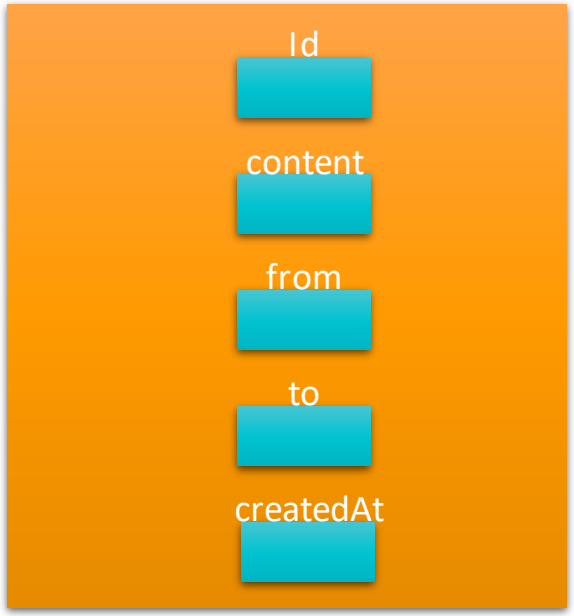
```
struct Tweet {
    uint id;
    address author;
    string content;
    uint createdAt;
}
```



Tweet

TWITTER STRUCTURE

```
struct Message {
    uint256 id;
    string content;
    address from;
    address to;
    uint256 createdAt;
}
```

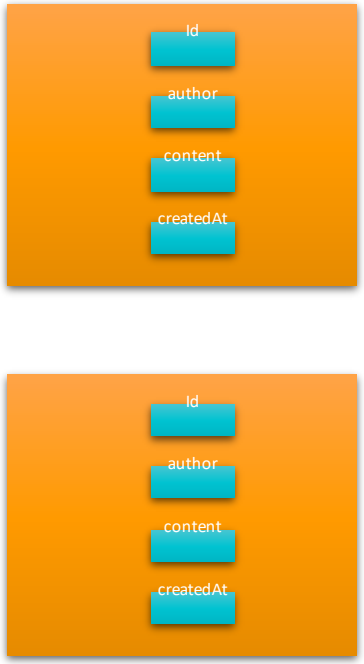


Message

TWITTER STRUCTURE

mapping(uint=>Tweet) private tweets;

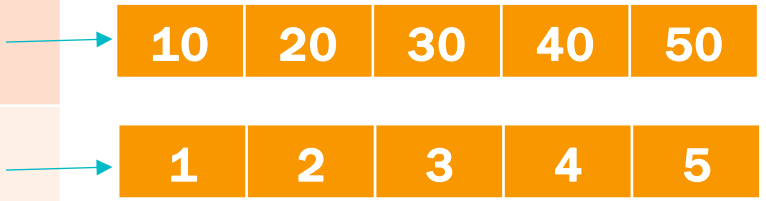
uint	Tweet
0	
1	
2	
3	
4	



TWITTER STRUCTURE

mapping(address=>uint[ ]) private tweetsOf;

address	uint[ ]
0xabc	
0xdef	
0x121	
0x23f	
0x73e	

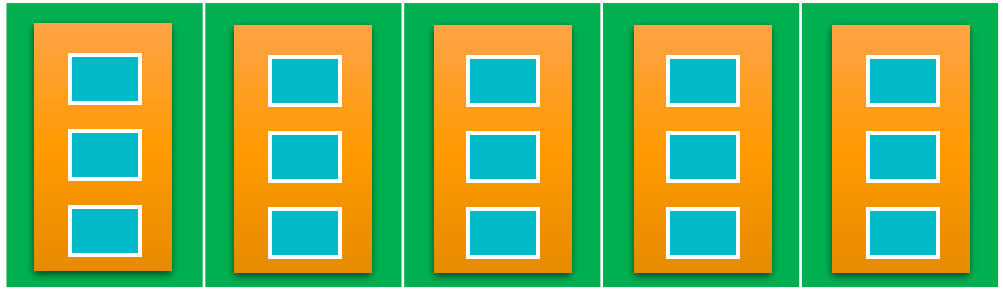


TWITTER STRUCTURE

mapping(uint=>Message[ ]) private conversations;

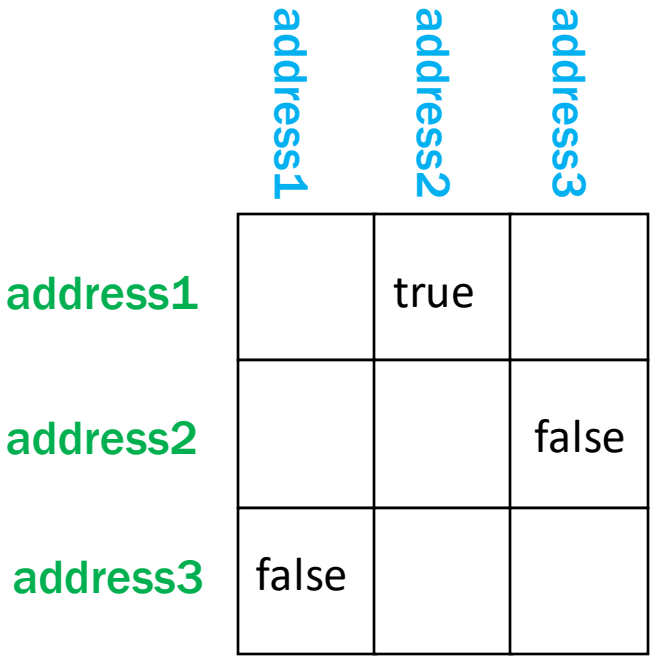
Message

uint	Message[ ]
0	
1	
2	
3	
4	



TWITTER STRUCTURE

mapping(address=>mapping(address=>bool)) private access;



access[address1][address2] = true

access[address2][address3] = false

access[address3][address1] = false

THANKS

WWW.CODEEATER.IN

Code Eater

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