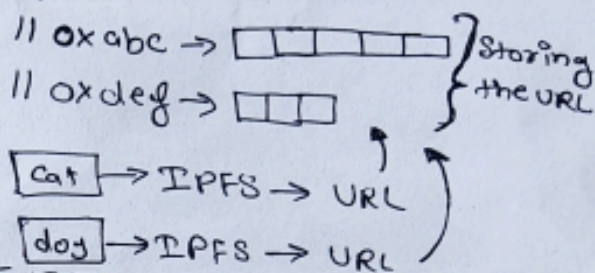


Struct Access

```

address user;
bool access; // This is for accessing the value is true or false
}
// Mapping With Array
* mapping (address => string[]) value;

```



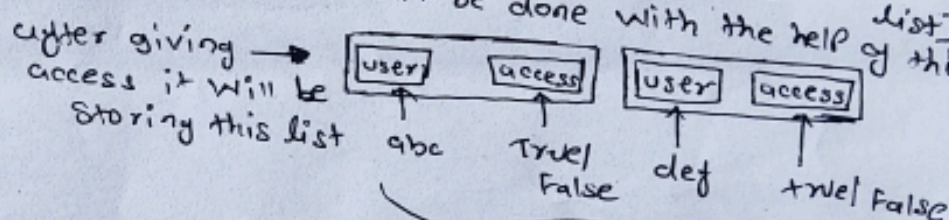
// mapping

```

* mapping (address => Access[]) accessList;

```

// after sharing the image, their will be form (You recently accessing ... [Form a list]) it will be done with the help of this.



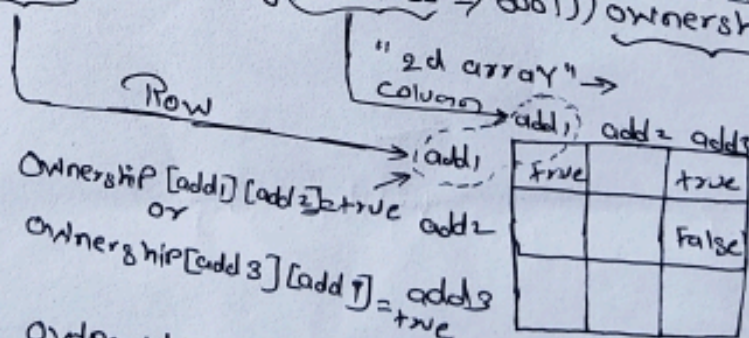
after Fetching the address of their list, [from smart contract] it will be see how many user you giving the address.

// Nested Mapping

```

* mapping (address => mapping (address => bool)) ownership;

```



Ownership [add2] [add3] = false

```

* mapping (address => mapping (address => bool)) previousData;

```

// For storing the previous data of a server

// bec. we totally dependent on "blockchain" so, we take these information on "blockchain" we can't used to stored our information on server.


```
function add (address - user, String memory url) external {
    Value [-user].push(url);
}
```

// For adding information [images or some other video data] it will be given as a URL.

// And it is dynamic array so, we can easily push on that.

// Function for allowed

```
function allow (address user) external {
    ownership [msg.sender] [user] = true;
}
```

// Access List [msg.sender].

// This will be override so, it will not used

// Whatever User can access it will be make msg.sender

// And whatever user can taking the address it will be make second add.

// This function help to push these above data to the Access List [array]

// Function for disallow

```
function disallow (address user) public {
    ownership [msg.sender] [user] = false;
}
```

// Sometime You want to Revoke the User

// but You want to maintain the data or a list.

// So that's why we run an array one by one

// This will be variable, 0, 1, 2, 3
To the user (user) of that List

// it will not delete, we are just changing their data point.

```
if (PreviousData [msg.sender] [user]) { // For first time user want to interact with it it will be initially false,
    For (uint i = 0; i < accessList [msg.sender].length; i++) {
        if (accessList [msg.sender][i].user == user) {
            accessList [msg.sender][i].access = false;
        }
    }
}
```

[bec. of bool value is initially 'false']

so that in that condition the else part will be run, and

to make it data true & their

Previous data also true.

```
else {
    accessList [msg.sender].push (Access (user, true));
    PreviousData [msg.sender] [user] = true;
}
```

For overriding the Previous data


```

Function display (address-user) external view returns (string[] memory) {
    require (-user == msg.sender || ownership [-user] [msg.sender],
        "You don't have an access");
    // images or data for displaying
    // purpose.
    // for checking Access, whether
    // the user have an access or
    // not.
    // And initially there will be
    // have bool value. [true or false].
    return value [-user];
}
    
```

↳ // return the data.

```

Function shareAccess () public view return (Access[] memory) {
    return accessList [msg.sender];
}
    
```

↳ // Return the accessList.

↳ // When we are sharing our data to the other one, so it will be form a list. Which user you sharing their ~~ownership~~ or data recently it will be form a list.