# 358.https://stackoverflow.com/questions/71418749/how-can-i-get-a-list-of-nfts-that-i-have-minted

**T:**How can I get a list of NFTs that I have minted?

**Q:**I am building Social Media for NFT.  
  
I would like to get a list of NFTs minted in the past by a particular user in Ethereum and Polygon Chain. It does not have to be currently held.Is there a good way to do this?

1 **Answer**

**A1:**You write this function in your smart contract  
  
function getOwnedNfts() public view returns(NftItem[] memory){ uint ownedItemsCount=ERC721.balanceOf(msg.sender); NftItem[] memory items= new NftItem[](ownedItemsCount); for (uint i=0; i<ownedItemsCount; i++){ // when user owns a token, I keep track of them in mapping instead of array // It is saving the tokens of user in order uint tokenId=tokenOwnerByIndex(msg.sender, i); NftItem storage item=\_idToNftItem[tokenId]; items[i]=item; } return items; }  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
 ● this is ERC721.balanceOf  
function balanceOf(address owner) public view virtual override returns (uint256) {  
 require(owner != address(0), "ERC721:zero address");  
 return \_balances[owner];  
 }  
  
  
  
When you call \_mint function, the address who has minted is added to \_balance  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
 ● this is tokenOwnerByIndex  
 function tokenOwnerByIndex(address owner,uint index) public view returns(uint){  
 require(index<ERC721.balanceOf(owner), "Index out of bounds");  
 return \_ownedTokens[owner][index];  
 }  
  
  
  
\_ownedTokens is a mapping:  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
//{address:{1:tokenId-1,2:tokenId-2}} mapping(address=>mapping(uint=>uint)) private \_ownedTokens;  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
then in front-end, after setting up provider and contract, you just call this function:  
  
 const myNfts = await contract!.getOwnedNfts();  
  
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**C1:**What if user sells his tokens? You need to keep track of it. Let's assume that I have 3 tokens and I've sold first one. Now in the \_ownedTokens['my address'] you need to move second index to first, and third to second.