# 249.https://stackoverflow.com/questions/72017017/why-my-erc721-contract-in-opensea-cant-work-normally-without-any-code-of-openz

**T:**Why my ERC721 contract in Opensea can't work normally (Without any code of openzeppelin github)

**Q:**I want to know how OpenSea system read contract and call functions.  
  
So, I try to write a ERC721 contract without import any other code.  
  
// SPDX-License-Identifier: MITpragma solidity ^0.8.0;contract main0x2 { string public BaseURI; string private \_name; string private \_symbol; mapping(uint256 => address) private \_owners; mapping(address => uint256) private \_balances; mapping(uint256 => address) private \_tokenApprovals; mapping(address => mapping(address => bool)) private \_operatorApprovals; uint256 Mint\_price = 0.00000000003 ether; constructor(string memory name\_, string memory symbol\_, string memory URI) { \_name = name\_; \_symbol = symbol\_; BaseURI = URI; } function name() public view returns(string memory) { return \_name; } function symbol() public view returns(string memory) { return \_symbol; } function \_mint(address to, uint256 tokenId) public { require(to != address(0), "ERC721 mint to the zero"); require(!\_exists(tokenId), "The token already minted"); \_balances[to] += 1; \_owners[tokenId] = to; } function ownerOf(uint256 tokenId) public view returns(address) { address owner\_ = \_owners[tokenId]; require(owner\_ != address(0), "The token is not exists"); return owner\_; } function \_transfer(address to, address from, uint256 tokenId) public { require(\_exists(tokenId), "The token is not exists"); require(to != address(0), "The token will transfer to zero address"); \_approve(address(0), tokenId); \_balances[from] -= 1; \_balances[to] += 1; \_owners[tokenId] = to; } function \_approve(address to, uint256 tokenId) internal { address owner\_ = ownerOf(tokenId); require(to != owner\_, "Approval to current owner"); require(owner\_ == msg.sender, "You are not the token owner"); \_tokenApprovals[tokenId] = to; } function balanceOf(address owner) public view returns(uint256) { require(owner != address(0), "The address is zero"); return \_balances[owner]; } function SetBaseURI(string memory \_baseURI) public { BaseURI = \_baseURI; } function SetMint\_Price(uint256 \_Mint\_price) public { Mint\_price = \_Mint\_price; } function tokenURI(uint256 tokenId) public view returns(string memory) { require(\_exists(tokenId), "This token is not exist"); return BaseURI; } function \_exists(uint256 tokenId) internal view returns(bool) { return \_owners[tokenId] != address(0); }}  
  
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However, when I deploy this contract in rinkeby testnet and setURI and mint a ERC721 token.There isn't appear any token in my opensea testnet web.Which part I should fix ?

0 **Answer**