# 177.https://stackoverflow.com/questions/72533971/convert-an-hashing-function-from-solidity-to-javascript

**T:**Convert an hashing function from Solidity to Javascript

**Q:**I have this function in Solidity. This function is used to enable Reveal of NFTs at a later time. So, to reveal my NFTs, I need to pass a hashproof, that is obtained thanks to the password I previously fixed, the hashproof is then checked onchain thanks again to the encryptDecrypt() function.  
  
function encryptDecrypt (bytes memory data, bytes memory key) public pure returns (bytes memory result) { // Store data length on stack for later use uint256 length = data.length; assembly { // Set result to free memory pointer result := mload (0x40) // Increase free memory pointer by lenght + 32 mstore (0x40, add (add (result, length), 32)) // Set result length mstore (result, length) } // Iterate over the data stepping by 32 bytes for (uint i = 0; i < length; i += 32) { // Generate hash of the key and offset bytes32 hash = keccak256 (abi.encodePacked (key, i)); bytes32 chunk; assembly { // Read 32-bytes data chunk chunk := mload (add (data, add (i, 32))) } // XOR the chunk with hash chunk ^= hash; assembly { // Write 32-byte encrypted chunk mstore (add (result, add (i, 32)), chunk) } }}  
  
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I would like to write (convert) this function in Javascript as an exercice to practise Javascript, but right now, I don't know how to do.  
  
Where should I start ?  
  
Thank you guys

0 **Answer**