**Process to encrypt image files for later decryption using JavaScript  
  
  
1) Use openssl to encrypt the image file.**Here we are using a “secret password” key of “hello”:

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| openssl enc -aes-256-cbc -in kafka160120.jpg -out kafka160120.jpg.encrypted -pass pass:"hello" -e -base64 |

(See “QuickStartGuide.wiki” included with [https://storage.googleapis.com/google-code-archive-  
downloads/v2/code.google.com/crypto-js/CryptoJS%20v3.1.2.zip](https://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/crypto-js/CryptoJS%20v3.1.2.zip))

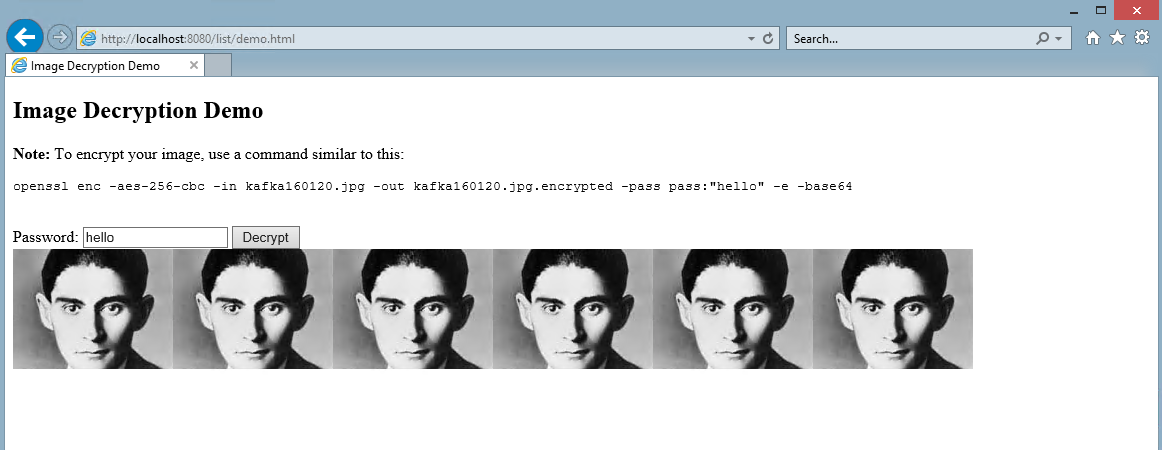
**2) Download JavaScript AES decryption library files.**Download <https://storage.googleapis.com/google-code-archive-downloads/v2/code.google.com/crypto-js/CryptoJS%20v3.1.2.zip>  
Extract the following JS file:  
crypto-js.js  
aes.js  
  
**3) Download JavaScript jQuery library file**Download <https://code.jquery.com/jquery-3.3.1.min.js>

**4) Copy the JavaScript library files somewhere and reference them in your HTML file.**For example:

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| <script type="text/javascript" src="js/crypto-js.js"></script>  <script type="text/javascript" src="js/aes.js"></script>  <script type="text/javascript" src="js/jquery-1.11.3.min.js"></script> |

**5) Add some JavaScript to fetch, decrypt and display our image.**For example:

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| function decryptImageAES2() {  jQuery.get('kafka160120.jpg.encrypted', function(data) {   // Get our original encryption “secret password” from the user.  var password = document.getElementById('password').value;  // Decrypt the file content.  var decrypted = CryptoJS.AES.decrypt(data.split(/\s/).join(''), password).toString(CryptoJS.enc.Base64);  // Display the decrypted image.  var newImg = document.createElement("img");  newImg.setAttribute('width', 160);  newImg.setAttribute('height',120);  newImg.setAttribute('src', 'data:image/jpg;base64,' + decrypted);  document.getElementById("placeholder").appendChild(newImg);  // Display the decryped base64 string.  //var newItem = document.createElement("pre");  //newItem.innerHTML = 'Decrypted base64: ' + decrypted;  //document.getElementById("placeholder").appendChild(newItem);  });  } |

Here is a demo:  
  
  
  
  
  
*JeremyC 22-07-2018***END**