STEPS OF THE LBPH ALGORITHM

- This value will be used to define the new values from the 8 neighbors.
- For each neighbor of the central value (threshold), we set a new binary value. We set 1 for values equal or higher than the threshold and 0 for values lower than the threshold.
- Now, the matrix will contain only binary values (ignoring the central value). We need
 to concatenate each binary value from each position from the matrix line by line
 into a new binary value (e.g. 10001101). Note: some authors use other approaches
 to concatenate the binary values (e.g. clockwise direction), but the final result will
 be the same.
- Then, we convert this binary value to a decimal value and set it to the central value of the matrix, which is actually a pixel from the original image.
- At the end of this procedure (LBP procedure), we have a new image which represents better the characteristics of the original image.
- Note: The LBP procedure was expanded to use a different number of radius and neighbors, it is called Circular LBP.

