For this project you will create a MATLAB implementation of several morphological image processing functions. The functions to be implemented include the hit-or-miss transform, a boundary extraction function, a region filling function, and the convex hull.

You may use the `imopen()`, `imclose()`, `imerode()`, and `imdilate()` functions within the image processing toolbox. No other more complex functions may be used.

Assume the input to the function will be an array of binary image data.

**ECE582 students only**: In addition to the above, implement thinning and thickening functions.