```
PImage source; // Source image
PImage destination; // Destination image
void setup()
size(1024, 768); // Output window size (length x breadth)
source = loadImage("Lighthouse.jpg");
destination = createImage(source.width, source.height, RGB);
void draw()
float threshold = 127;
source.loadPixels();
destination.loadPixels();
for (int x = 0; x < source.width; x++)
 for (int y = 0; y < source.height; y++)
  int loc = x + y*source.width;
  // Test the brightness against the threshold:
  if (brightness(source.pixels[loc]) > threshold)
   destination.pixels[loc] = color(255); // White
   }
  else
    destination.pixels[loc] = color(0); // Black
destination.updatePixels(); // Update the pixels in destination
image(destination, 0, 0); // Display the destination
```

Threshold_Image