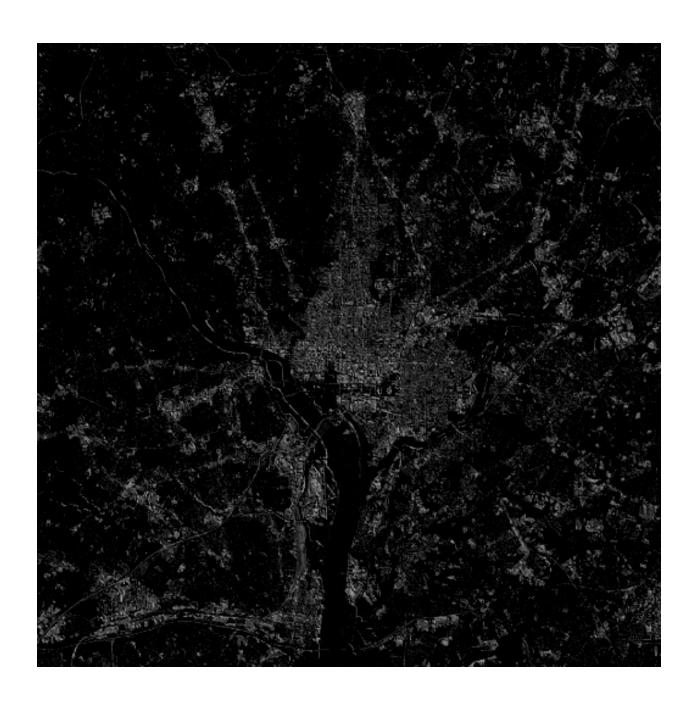
PROJECT CODED IN APACHE NETBEANS 16

1. Subtraction

```
// double loop to perform subtraciton
for (int i = 0; i < width; i++) {
    for (int j = 0; j < height; j++) {
        image1Data[i][j] = raster1.getSample(x:i, y:j, b:0);
        image2Data[i][j] = raster2.getSample(x:i, y:j, b:0);
        newImageArray[i][j] = (image2Data[i][j] - image1Data[i][j]);
        // d(x,y) = f(x,y) - g(x,y)

        int checker = Math.max(a:0, newImageArray[i][j]); // normalization g of m = g - min(g)

        Color color = new Color(r:checker, g:checker, b:checker); // helping output the right pixel value result.setRGB(x:i, y:j, rgb:color.getRGB()); // setting new pixel values
}
</pre>
```



2. Negative image

```
for (int i = 0; i < width; i++) {
    for (int j = 0; j < height; j++) {
        image1Data[i][j] = raster1.getSample(x:i, y:j, b:0);
        newImageArray[i][j] = (255 - image1Data[i][j]); // making image negative

    Color color = new Color(newImageArray[i][j], newImageArray[i][j], newImageArray[i][j]); //
    result.setRGB(x:i, y:j, rgb:color.getRGB());
}
</pre>
```



3. Translation

