
```
% amalhot5, main.m, Arnav Malhotra
% Worked on by myself
% Calls all the scripts for each part of the project
close all
clear all
clc

disp('1. Read and Display an Image')
grayscale
```

1. Read and Display an Image

Warning: Image is too big to fit on screen; displaying at 67%

Warning: Image is too big to fit on screen; displaying at 67%

Hopkins1.bmp RGB

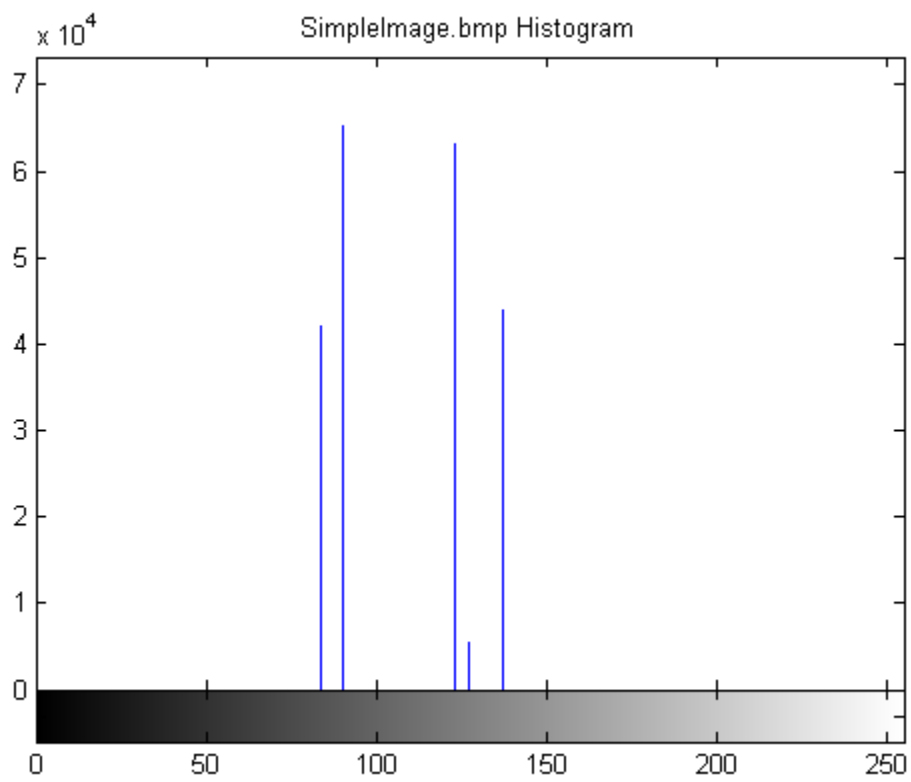
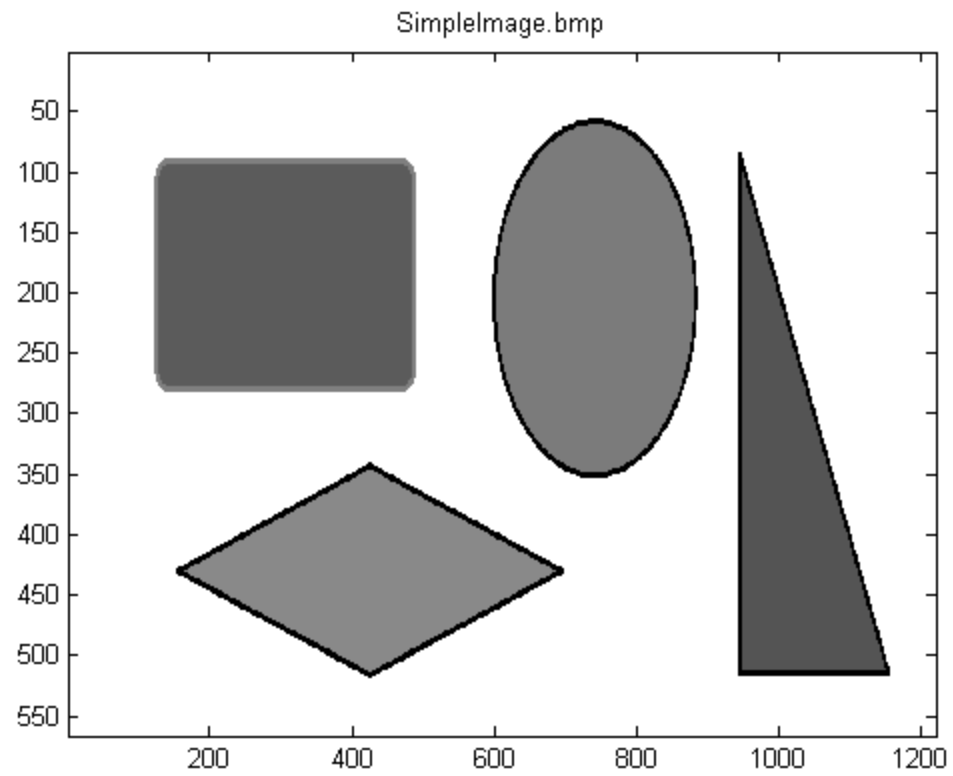


Hopkins1.bme Grayscale



```
disp('2. Read and Display Histogram of Image')  
DispHistogram
```

2. Read and Display Histogram of Image

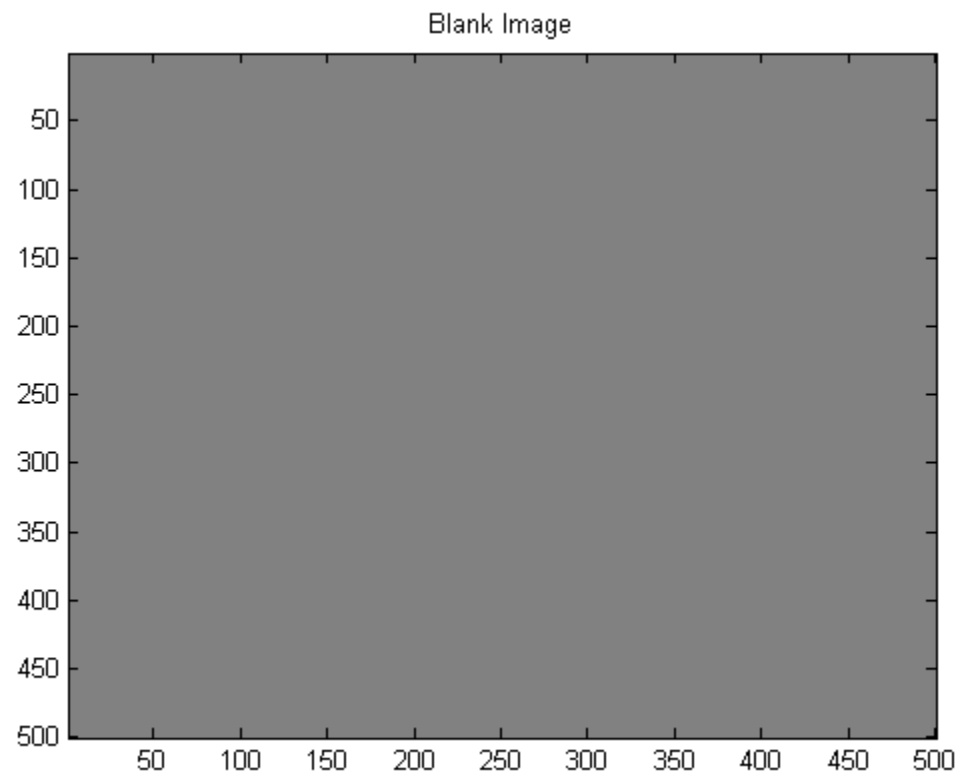


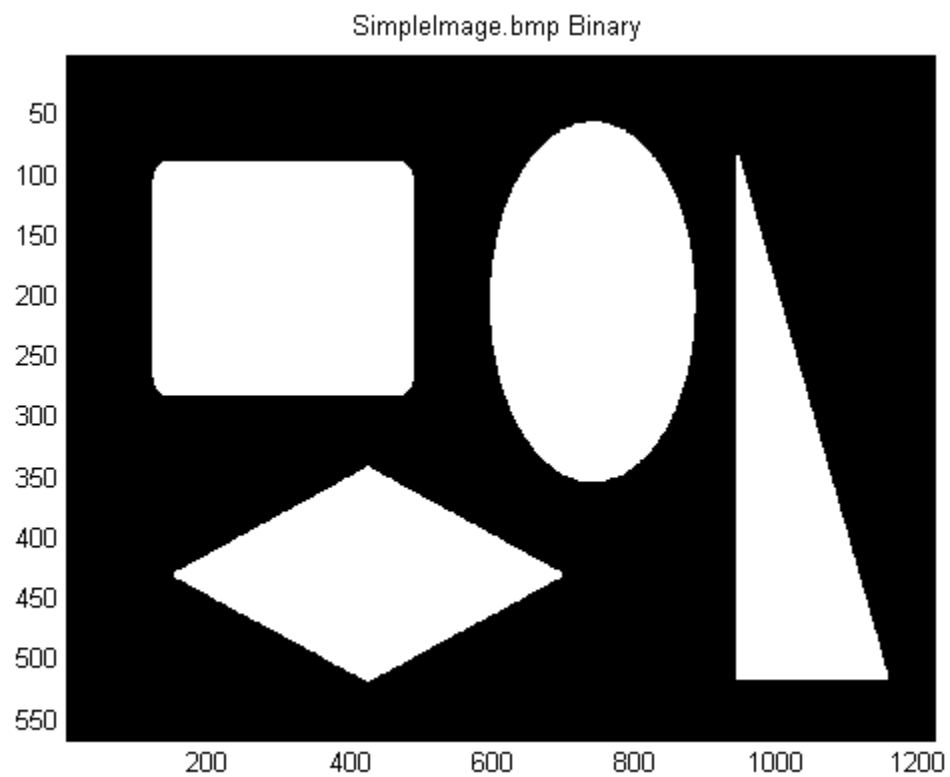
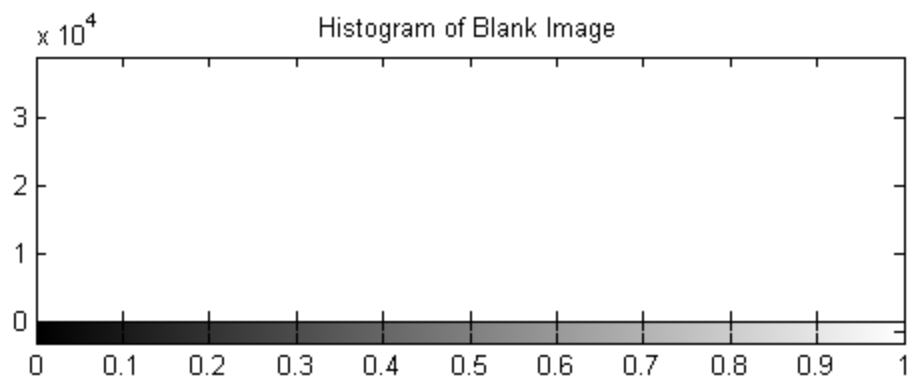
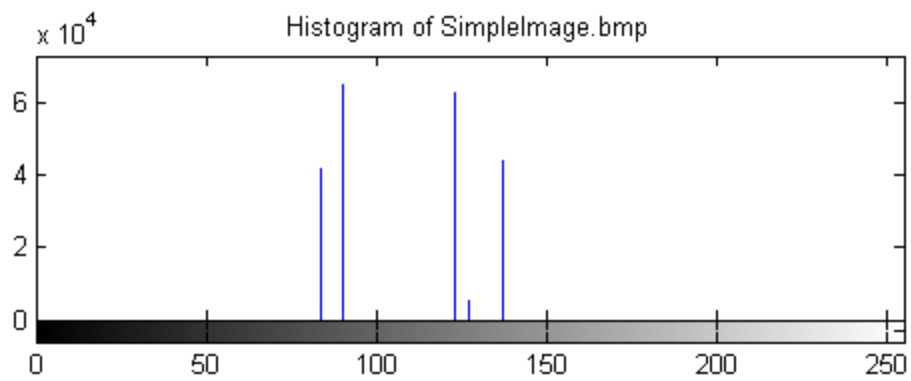
```
disp('3. Thresholding to Segment an Image')
thresholding
```

```
    3. Thresholding to Segment an Image
```

```
threshold =
```

```
    150
```



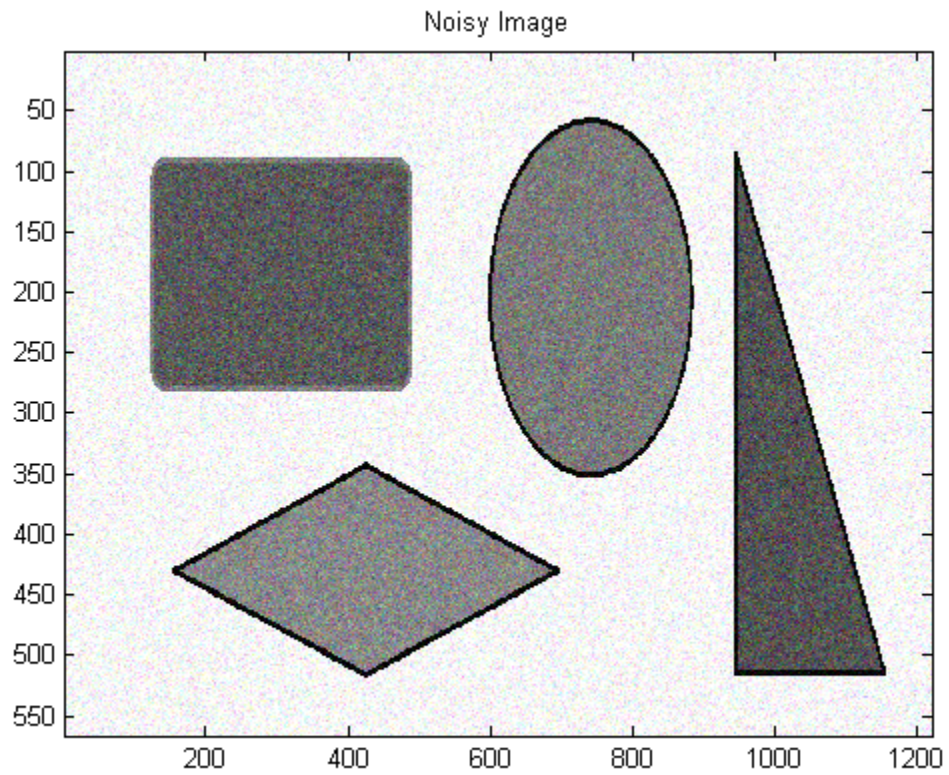


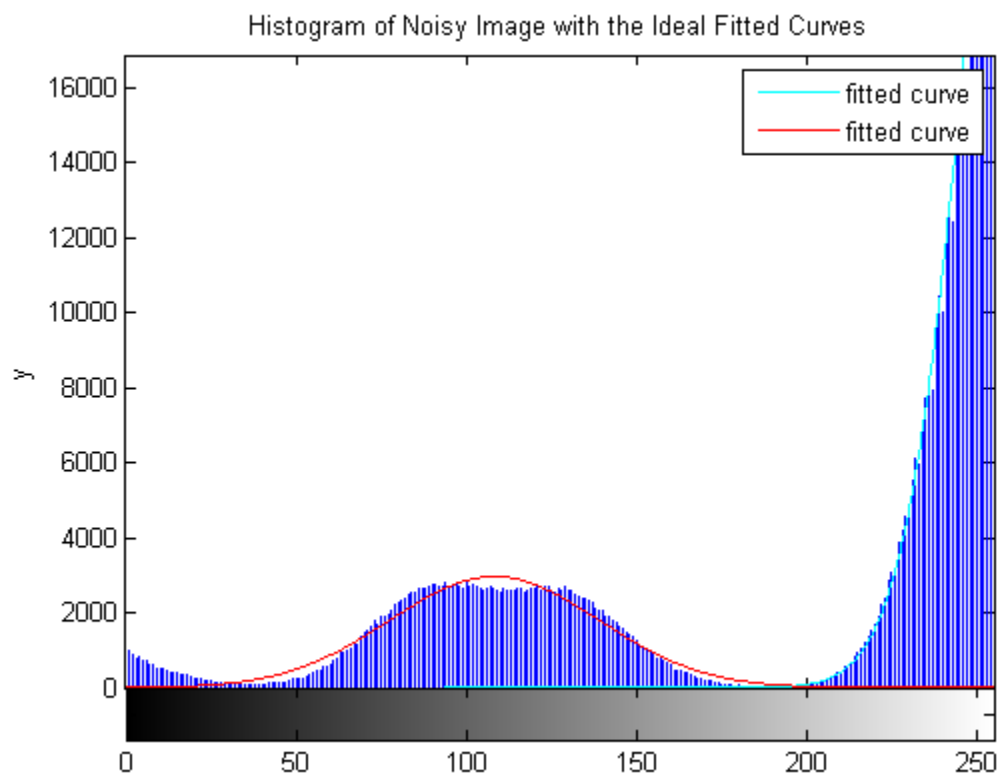
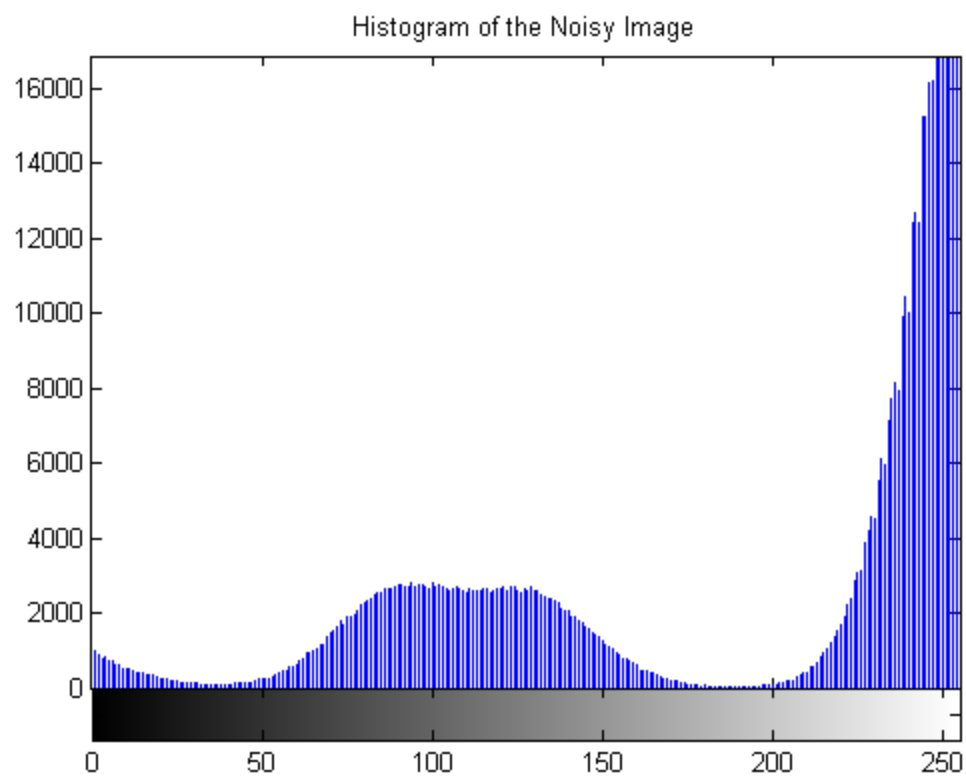
```
disp('4. Segmenting a Noisy Image')
gaussian5
```

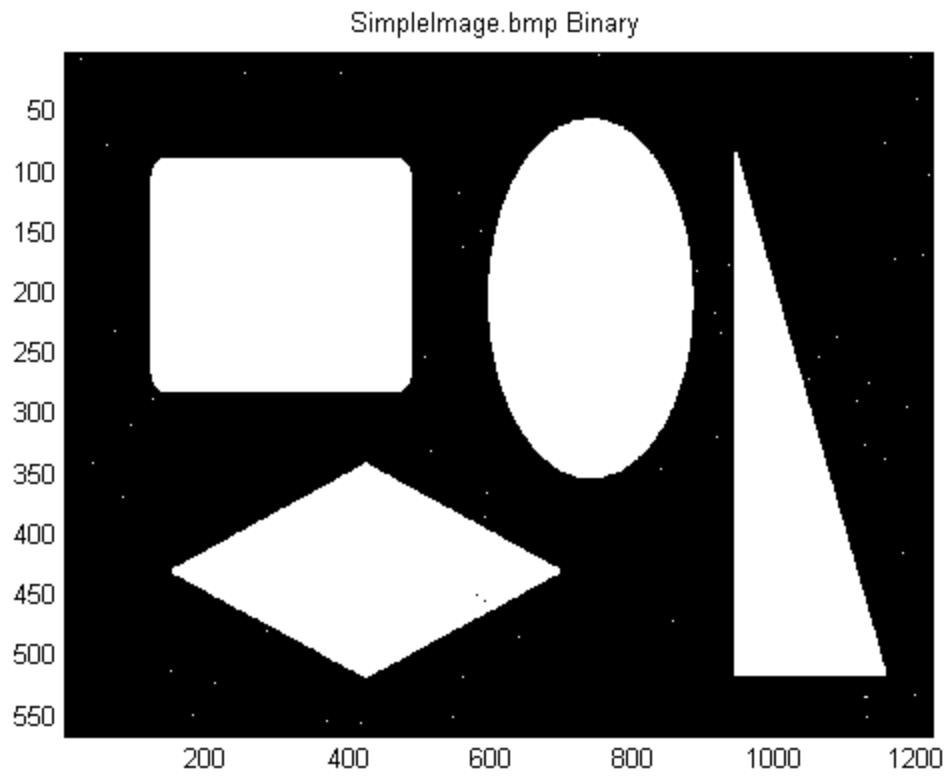
4. Segmenting a Noisy Image

```
threshold =
```

```
198
```

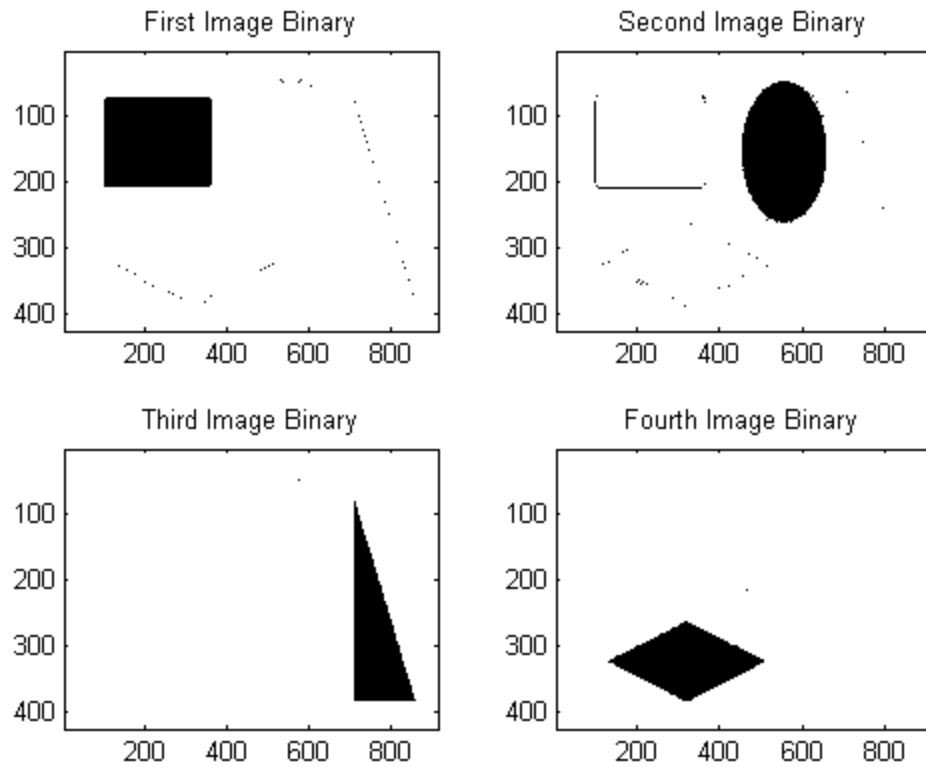






```
disp('Challenge 1')  
challenge1_2
```

Challenge 1



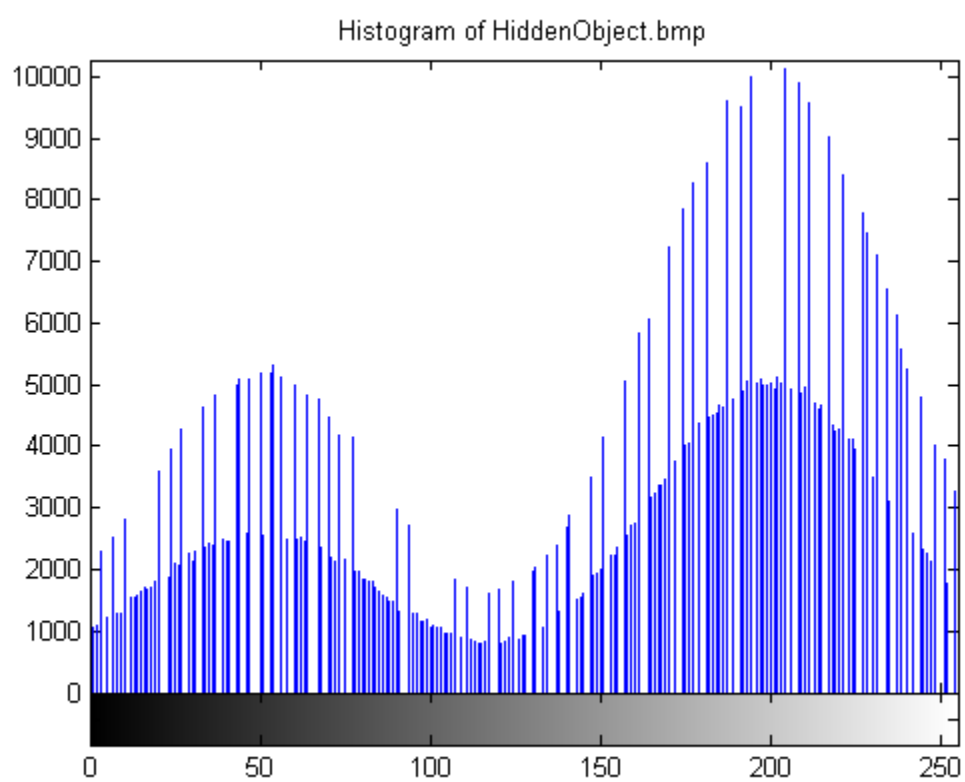
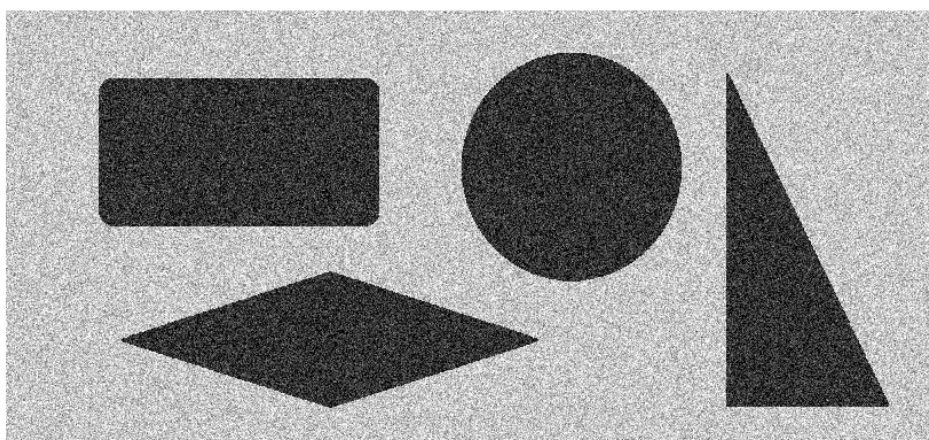
```
disp('Challenge 2')
challenge2
```

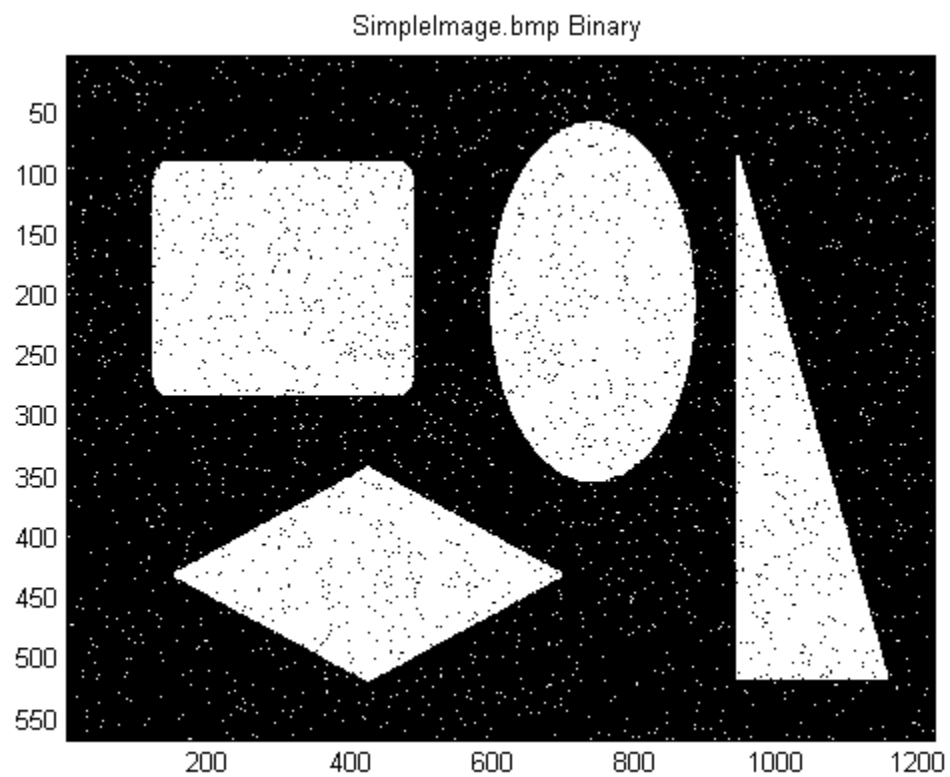
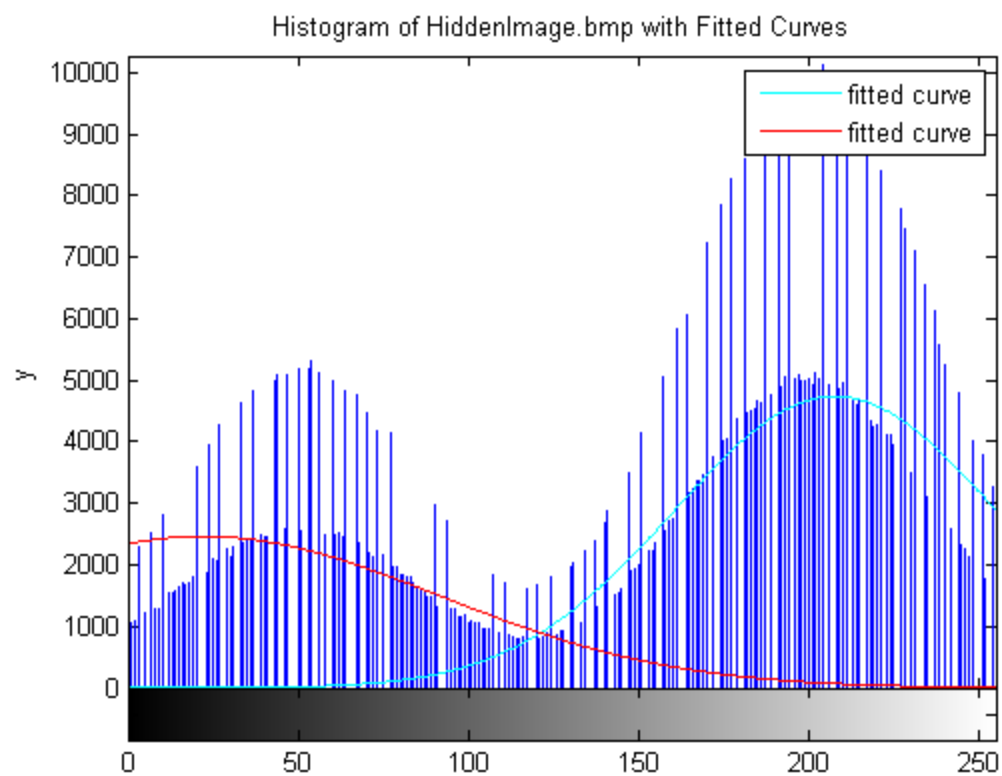
Challenge 2

Warning: Image is too big to fit on screen; displaying at 67%

threshold =

122





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