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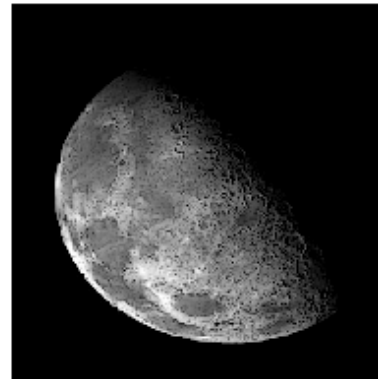
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```
clear  
clc
```

Exercise 1: On Paper

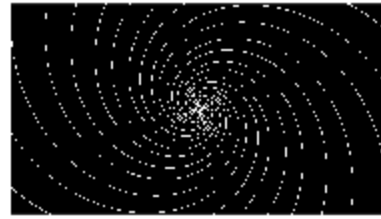
Exercise 2

```
moon = imread('./Moon.jpg');  
lap = ones(3, 3);  
lap(2, 2) = -8;  
  
g = moon - imfilter(moon, lap);  
  
figure;  
subplot(1, 2, 1)  
imshow(moon, [])  
  
subplot(1, 2, 2)  
imshow(g, [])
```



Exercise 3

```
spiral = imread('./spiral.jpg');  
spiralGray = rgb2gray(spiral);  
spiralBW = imbinarize(spiralGray, graythresh(spiralGray));  
  
figure;  
subplot(1, 2, 1)  
imshow(spiralBW, [])  
  
subplot(1, 2, 2)  
imshow(spiralBW - imerode(spiralBW, strel('disk', 2)), [])
```



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