

# 影像處理概論

## 作業一 q2

### 說明

檔名結尾為「1」：加上「Gaussian white noise with variance of 0.01」

檔名結尾為「2」：加上「Poisson noise」

檔名結尾為「3」：加上「multiplicative noise」

### 過程步驟

使用 Matlab 函式「imnoise()」

```
noise1 = imnoise(gray, 'gaussian');
```

```
path = append(workspace_path, 'q2/hw1_img', num2str(file), '_q2_1.JPG');  
imwrite(noise1, path)
```

```
noise2 = imnoise(gray, 'poisson');
```

```
path = append(workspace_path, 'q2/hw1_img', num2str(file), '_q2_2.JPG');  
imwrite(noise2, path)
```

```
noise3 = imnoise(gray, 'speckle');
```

```
path = append(workspace_path, 'q2/hw1_img', num2str(file), '_q2_3.JPG');  
imwrite(noise3, path)
```