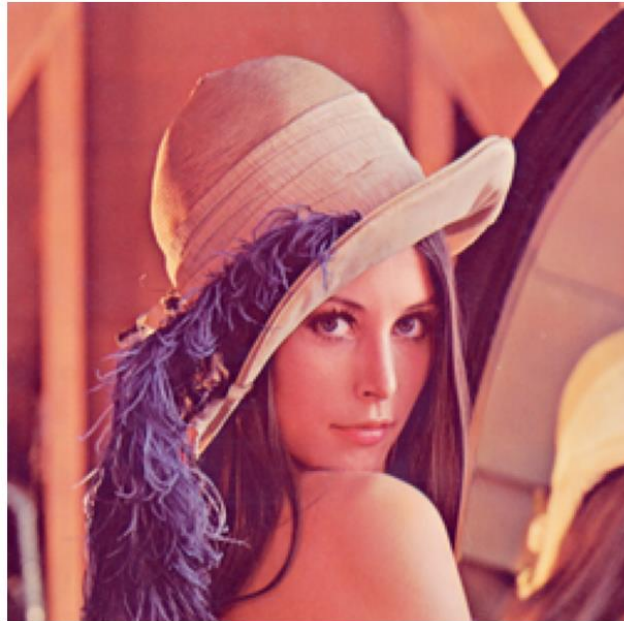


# 0. 과제 목록 및 셋업 방법

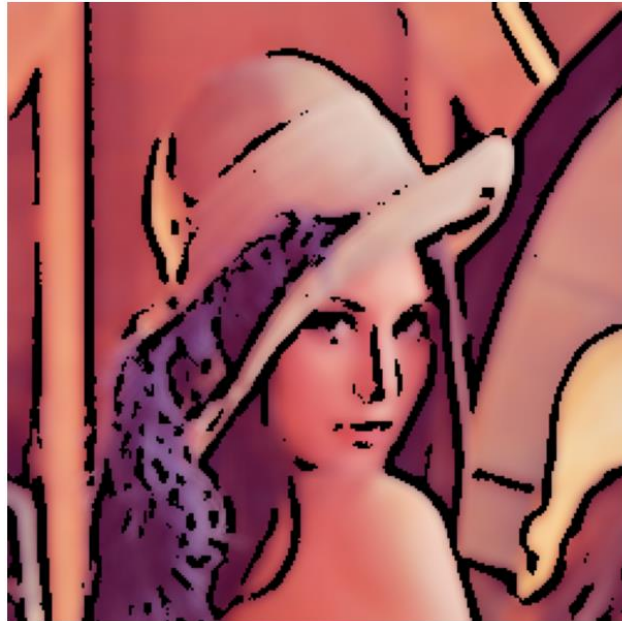
- 1. 카툰 이미지 생성 (1\_cartoon/cartoon.py)
- 2. 노이즈 이미지 디노이징 (2\_noise/noise.py)
- 3. 저조도 이미지 개선 (3\_low\_light/low\_light.py)
- 강의교안 올라온 파일들 압축 풀고 week4 폴더에 넣어놓고 시작
- 본 교안과 이미지가 비슷하게 구현되어야 함

# 1. 카툰 이미지 생성 결과

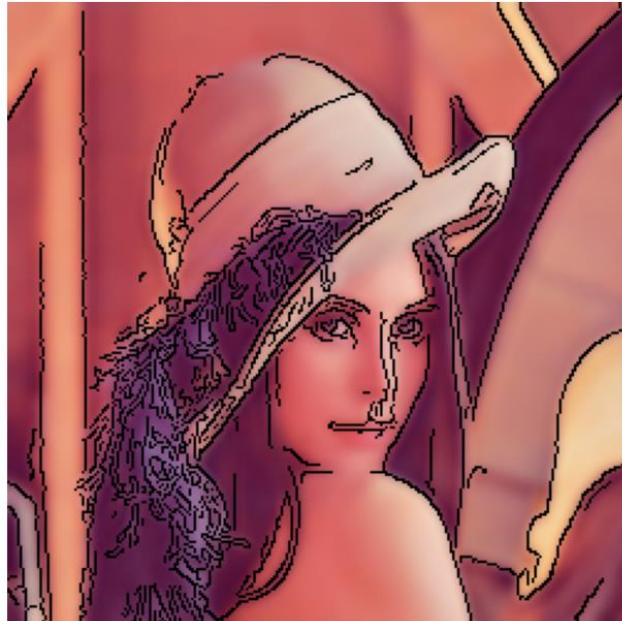
Original



Cartoon Style 1 (Bilateral)



Cartoon Style 2 (Canny Edge)

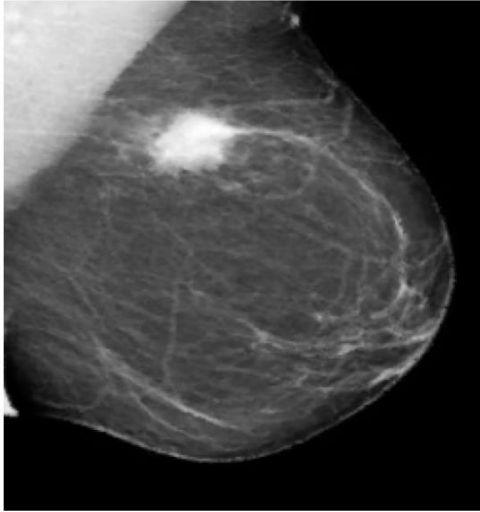


Cartoon Style 3 (K=8 Colors)

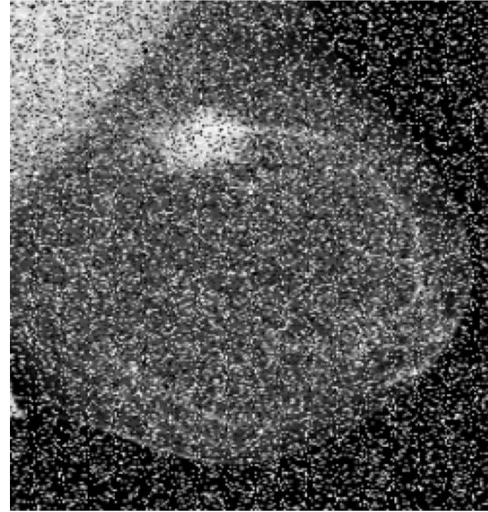


## 2. 노이즈 이미지 디노이징 결과

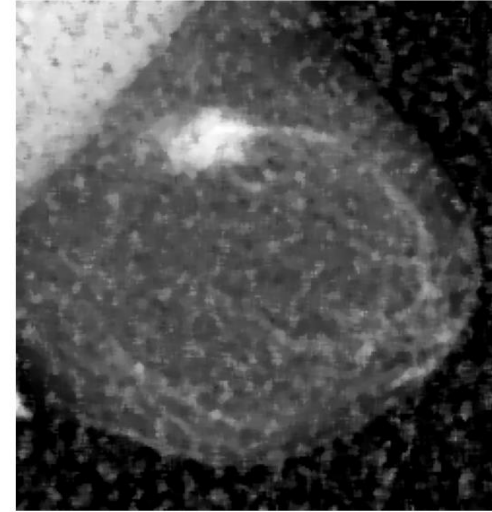
Source



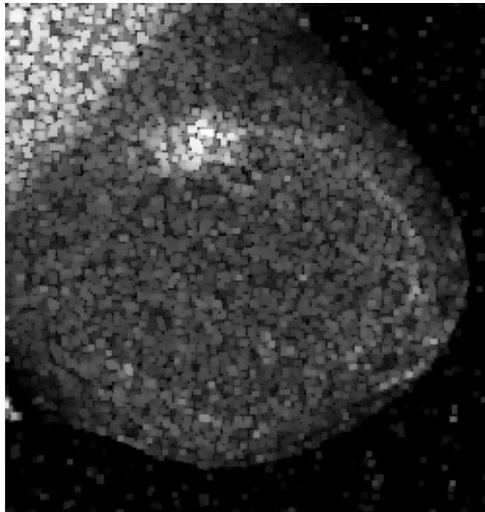
Noisy Image



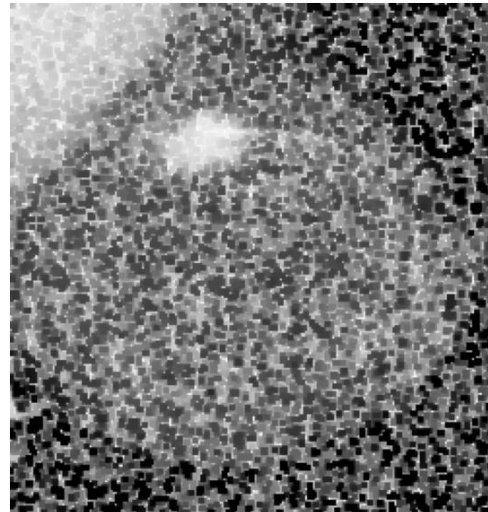
Median Filter (5)



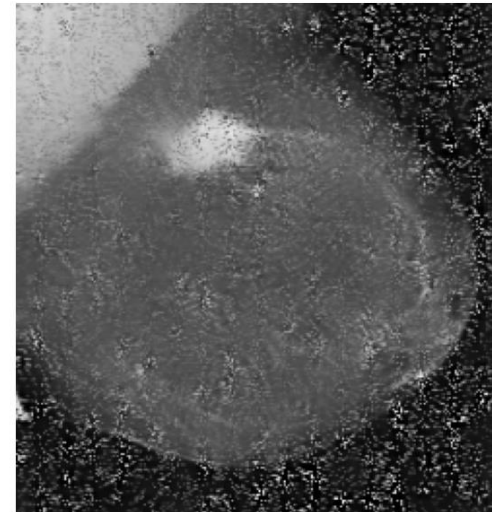
Opening (kernel 3x3)



Closing (kernel 3x3)



Non-Local Means



### 3. 저조도 이미지 개선 결과

