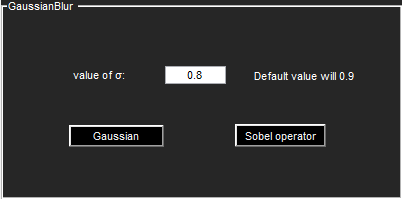
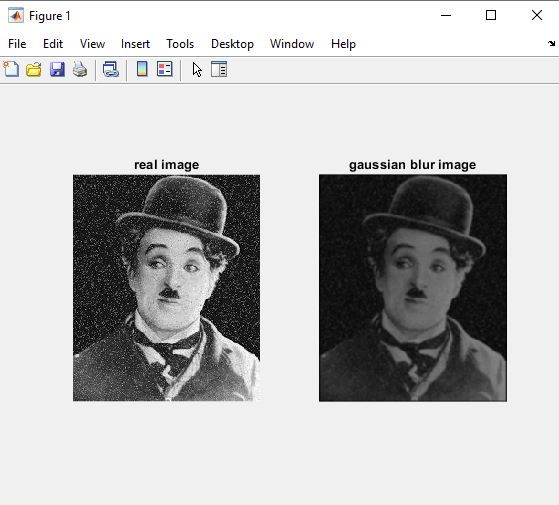
**Matlab:**

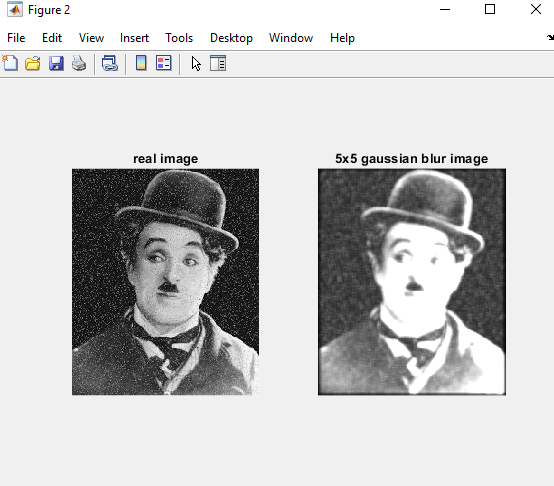
**Q1:**

**When sigma=0.8, kernel size constant** 

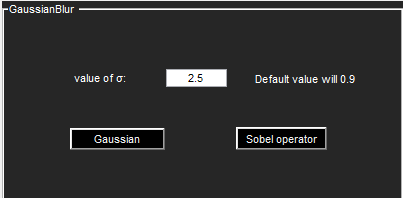
**3x3 gaussian blur:**



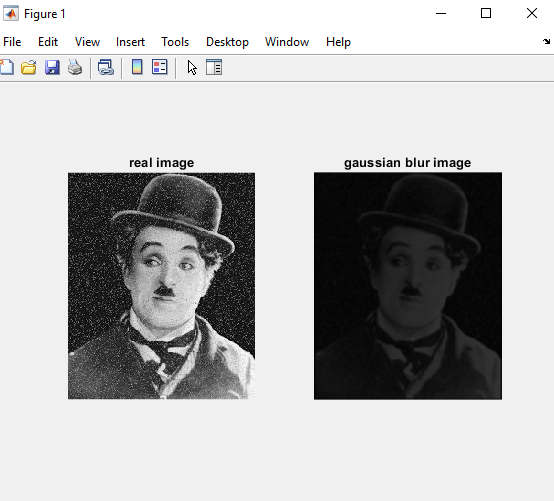
**5X5 gaussian blur:**



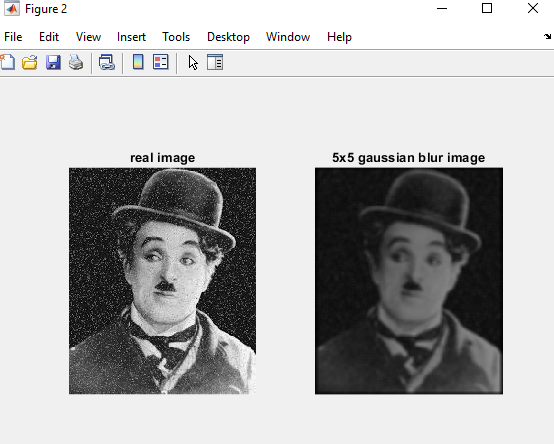
**When sigma =2.5**



**3x3 gaussian blur**

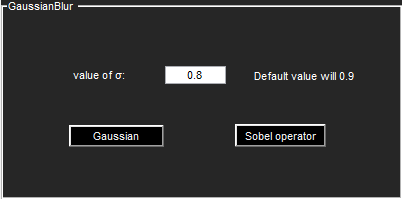


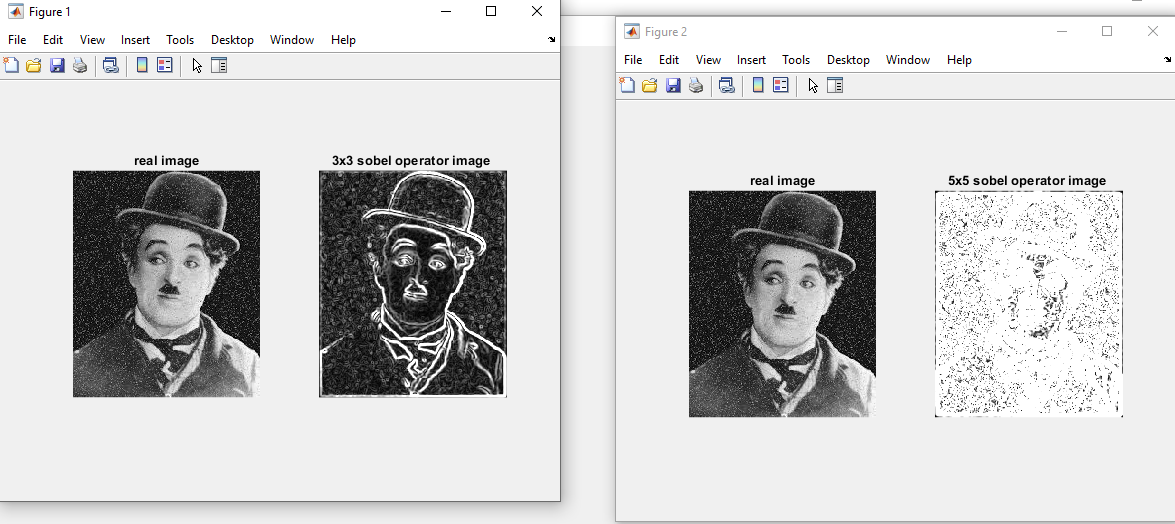
**5x5 gaussian blur**



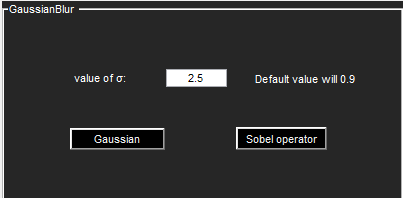
**Q2:**

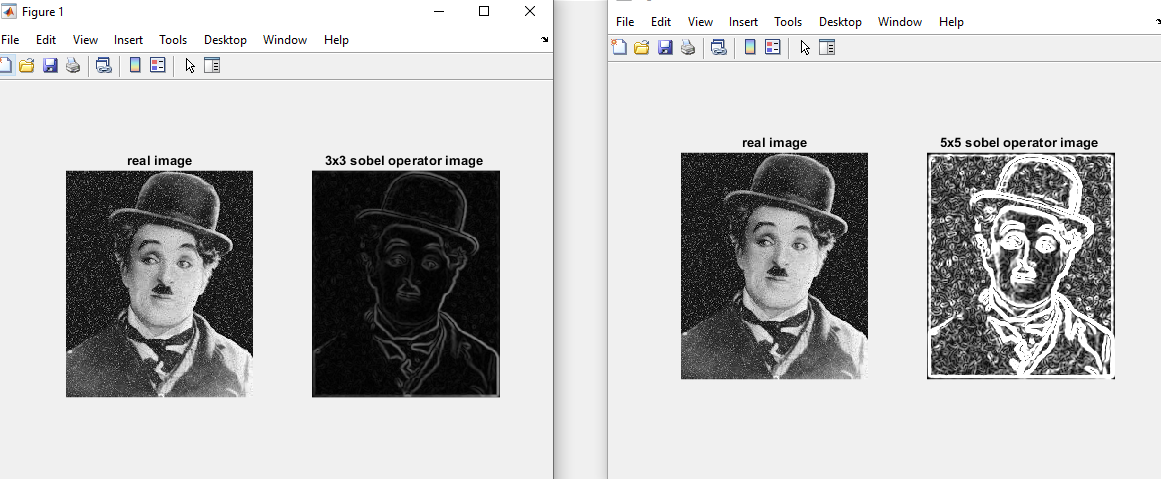
**When sigma=0.8 with different kernel size**





When sigma is 2.5 with different kernel

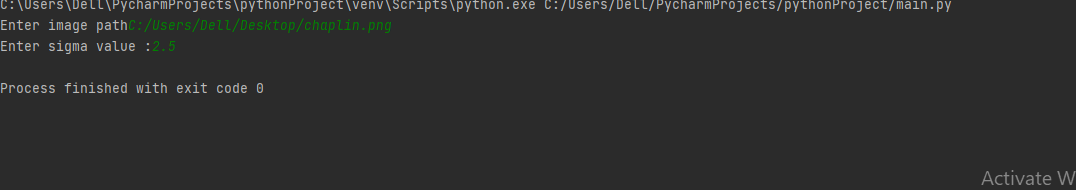




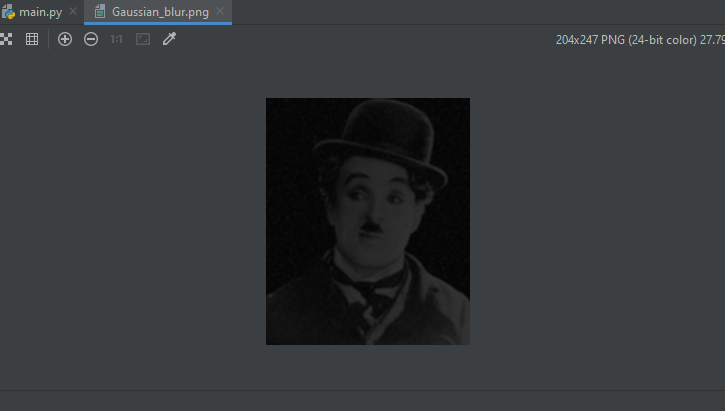
**Python**

**Q1: Gaussian blur**

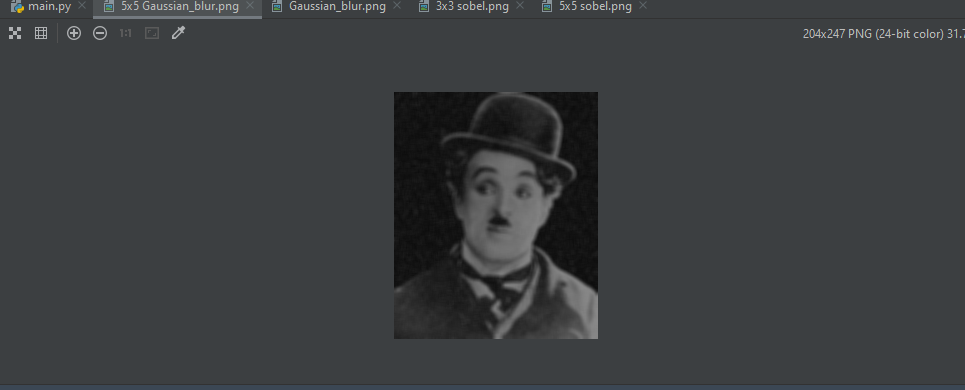
**When sigma=2.5**



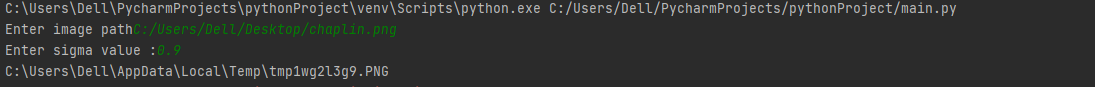
**Gaussian blur image is 3x3**



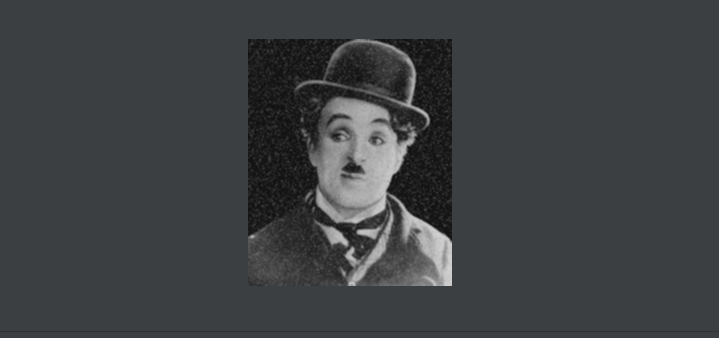
**Gaussian blur 5x5:**



When sigma=0.9



**3x3 gaussian blur:**

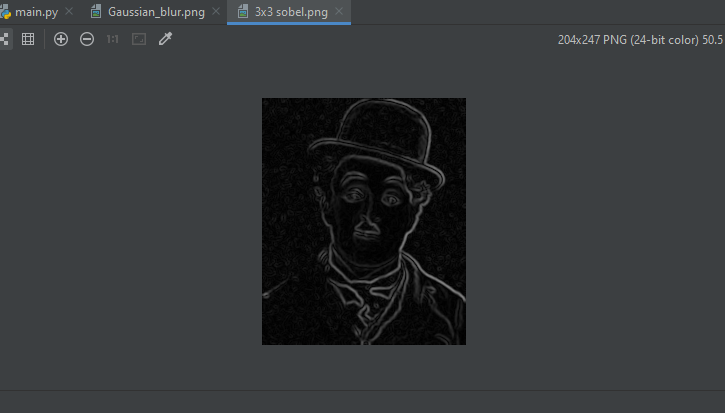


**5x5 gaussian blur:**

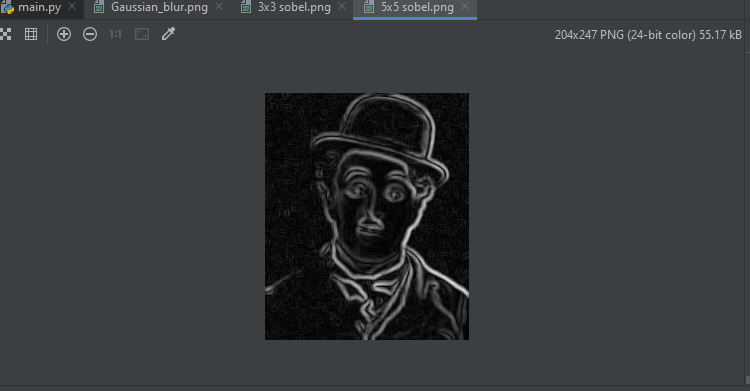


Q2: Sobel image with 3x3 and 5x5 kernel

When sigma=2.5



5x5 kernel:



When sigma=0.9

3x3 kernel



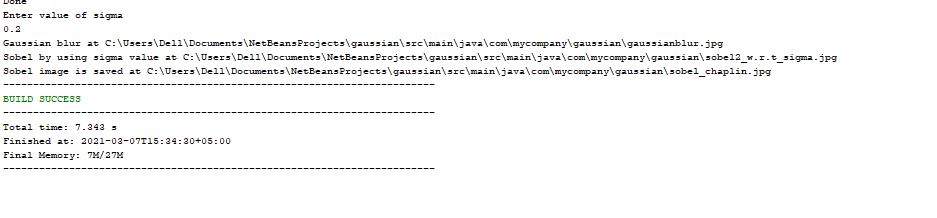
5x5 kernel



**Java:**

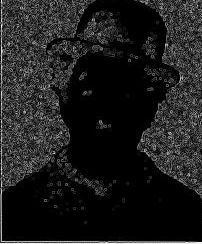
**Q1:**

**When sigma=0.2**





**Q2:3x3 kernel**



**Sobel direct applies on image**



**C++:**

**Q1: REAL\_image**



**When sigma=0.9 3x3 Gaussian blur**



**When sigma 2.5**

**Q2: 3x3 Sobel operator**

