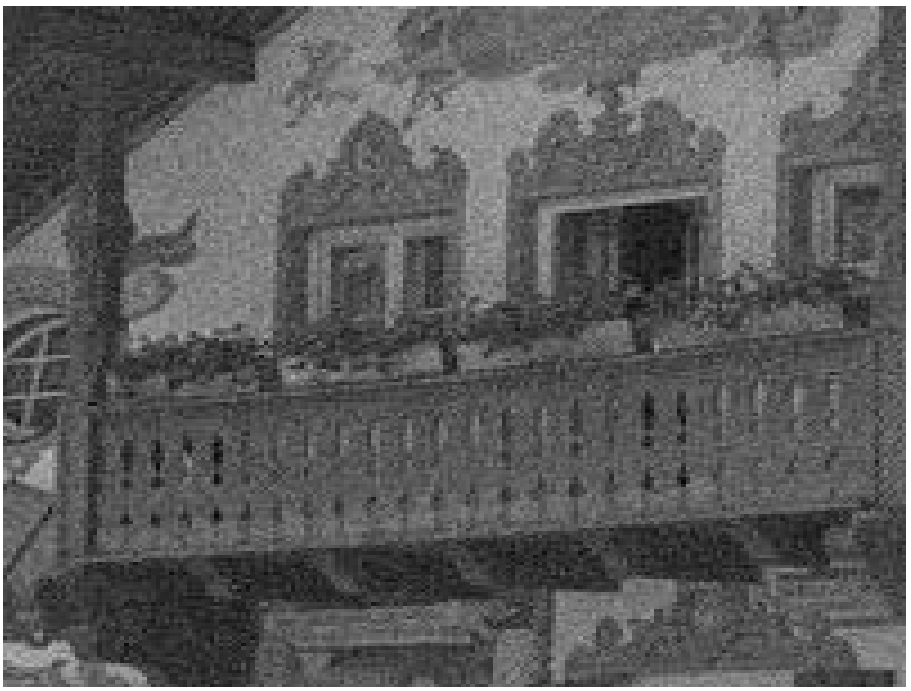
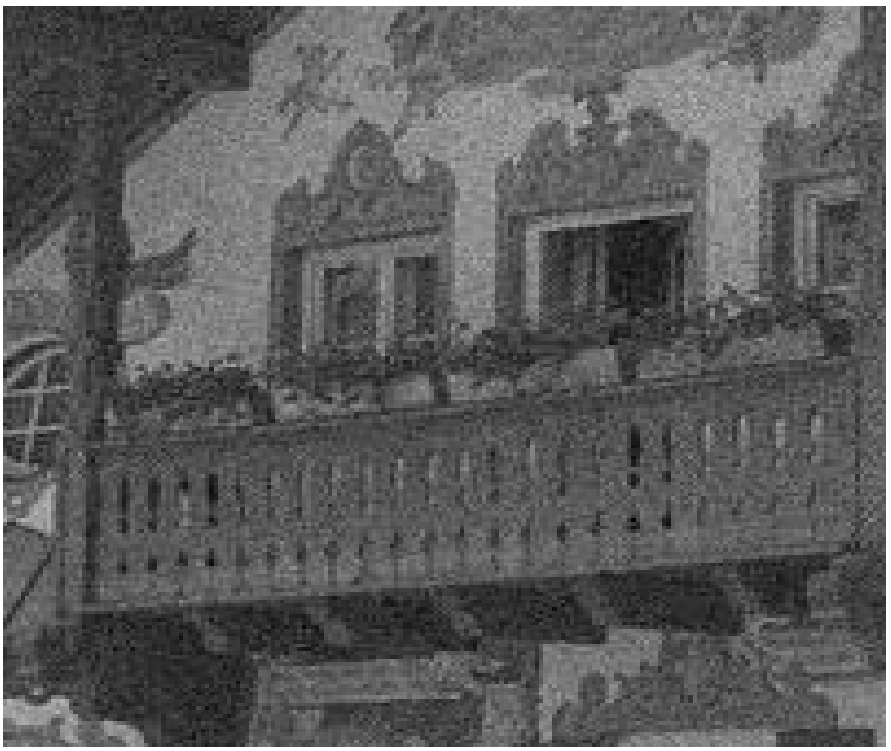
1. Kodak sigma 10 (Noisy)

   Running the code over a complete image was very much time taking so we have demonstrated the results over the patch of image implementing the same functionality.



2. Kodak standard deviation=10 hs = 2 ,hr = 2 (smoothened)

3. Kodak standard deviation=10 hs = 0.1 hr=0.1



4. Kodak standard deviation=10, hs= 3 hr=15

5. kodak with standard deviation = 5 (Noisy image)

6. Standard deviation =5, hs=2 hr=2

7. Sigma = 5 hs = 0.1 hr = 0.1

8. Standard deviation = 5 , hs= 3 hr= 15

1. Noisy image with standard deviation =10

2. Mean shift filter output at h_s=3 and h_r=15

3. Mean shift output at h_s=0.1 and h_r=0.1

4. Mean shift output at h_s=2 and h_r=2

5. Standard deviation =5 (Noisy image)

6. Mean shift output at h_s=3 and h_r=15 (std = 5)

General observation through the output :
H_s =3 and H_r=15 image smoothens a lot and seems quite washed out.
H_s=0.1 and H_r=0.1 not much different as compared to noisy image.
H_s=2 and H_r =2 image smoothens and the level of smoothening is like image is more smooth as compared to output obtained using h_s=0.1 and h_r=0.1 and less than the smoothening level of h_s=3 and h_r=15.