1. Take the image **'input.jpg'** as input.
2. Add **salt and pepper noise** to the input. 5 out of 100 pixels should be noisy in this case.
3. **Remove** this noise using **average filter of dimension 7x7. (Make sure to handle boundary properly). You have to apply average filter using kernel.**
4. Show the images in the following way using **subplots.**

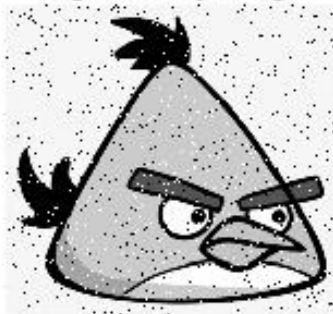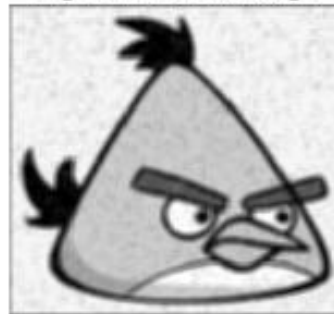Fig A: Original Image

Fig B: Grayscale Image

Fig C: Noisy Image

Fig D: Filtered Image

1. Take the image **'input.jpg'** as input.
2. Add **salt and pepper noise** to the input. 4 out of 100 pixels should be noisy in this case.
3. **Remove** this noise using **average filter of dimension 5x5. (Make sure to handle boundary properly). You have to apply average filter using kernel.**
4. Show the images in the following way using **subplots.**

Fig A: Original Image
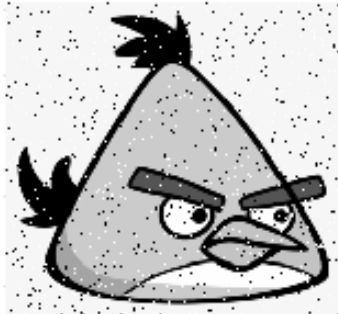

Fig B: Grayscale Image

Fig C: Noisy Image

Fig D: Filtered Image