

1. Read an 8 bit grayscale image and generate the image of 7 bit, 6 bit, 5 bit, 4 bit, 3 bit, 2 bit and 1 bit image.

Input Image (8 bit):



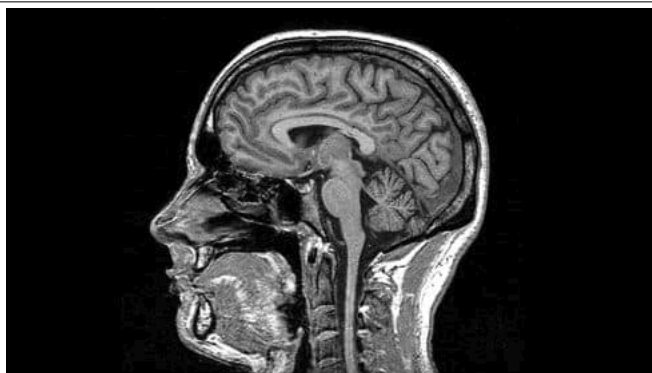
Output Images:






7 – bit



6 – bit



5 – bit	4 – bit
	
3 – bit	2 -bit
	
1 – bit	

### **Conclusion :**

We can see that as the number of bits reduces, the number of discrete intensity levels in the image decreases. Due to this minute details of the original image is lost . Thus we can conclude that as the number of bits is reduced, quality of the image decreases.