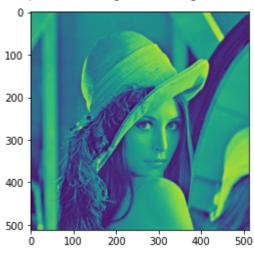
import numpy as np

```
import matplotlib.image as img
import matplotlib.pyplot as plt
import cv2

from google.colab import drive
drive.mount('/content/drive')
image=cv2.imread("/content/drive/My Drive/Lenna.png",cv2.IMREAD_GRAYSCALE)
plt.imshow(image)
```

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mour <matplotlib.image.AxesImage at 0x7f2ed6c18fd0>



print(image.shape)

(512, 512)

```
row ,col = image.shape
#convert each integer pixel value of given image to a bit pixel value of 8-bits
def intToBitArray(image) :
    list = []
    for i in range(row):
        for j in range(col):
            list.append(np.binary_repr(image[i][j],width=8))
    return list

imgIn1D = intToBitArray(image)
```

def bitplane(bitImgVal,img1D):