11. CONVERSION BETWEEN COLOR SPACES.

PROGRAM:

```
--> RGB = imread("lena.jpg");

--> imshow(RGB);

--> HSV = rgb2hsv(RGB);

--> imshow(HSV);

--> RGBHSV = hsv2rgb(HSV);

--> imshow(RGBHSV);

--> ntsc = rgb2ntsc(RGB);

--> imshow(ntsc);

--> RGBNTSC = ntsc2rgb(ntsc);

--> imshow(RGBNTSC);
```
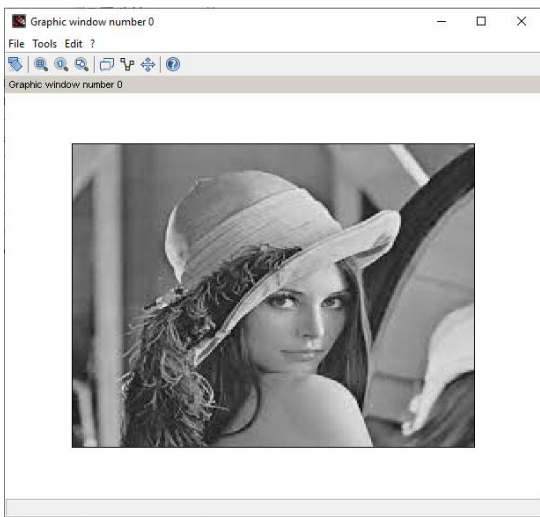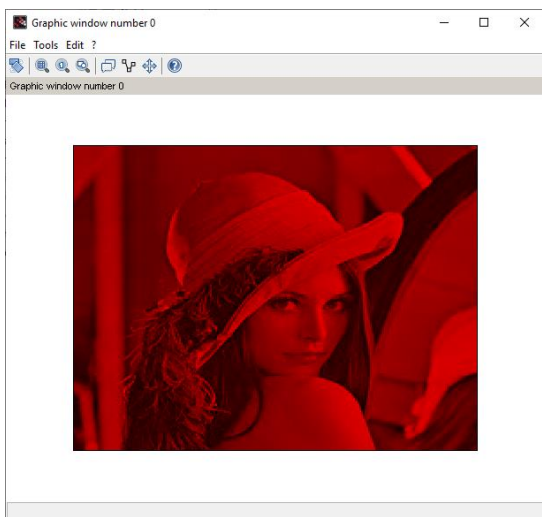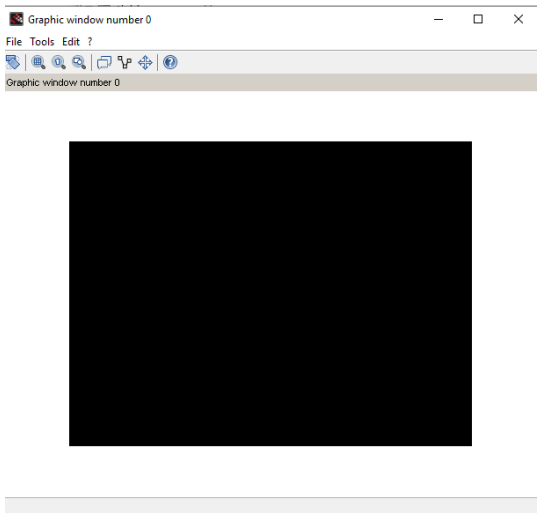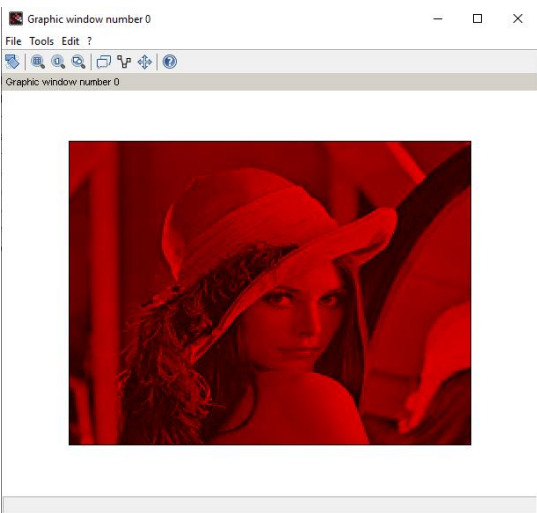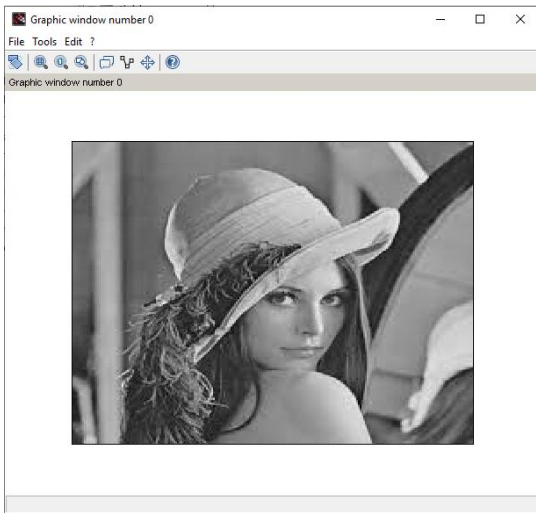
OUTPUT:

(Fig:1)RGB image

(Fig:2)HSV image

(Fig:3)RGBHSV image

(Fig:4)NTSC image

(Fig:5)RGBNTSC image