```
Exp NO: 10
Date
             Fuzzy Logic -
                      Image browning
    to imposit RGB image and
Convert to Grayscale
Code:
                                        2900
 Togb = imseed ('pepper.png');
 19 ray = 29629 ray (1896);
 figure;
 image (1900y, 'CoateMapping', 'scaled');
  Color map ('gray ');
  title ('Input Image ');
 I = imadouble (Igray);
 Ga=[-1,1];
ay = Gx );
 1x = Conva (1, Gx, 'Same');
 14 = conva (I, Gy, 'same');
fiques;
image (Ix, 'CData Mapping', 'scaled');
coloxmap ('gray');
title ('1x');
figure;
image (Iy, 'CData Mapping', 'scaled);
```

Colos map ('gray')

Hitle ('Iy');

edge FIS = mamfis ('Name', 'edge pekchon');

edge FIS = add Input (edge FIS, [-1, 1], 'Name', 'Ix'),

edge FIS = add Input (edge FIS, [-1, 1], 'Name', 'Iy');

edge FIS = add Input (edge FIS, [-1, 1], 'Name', 'Iy');

edge FIS = add MF (edge FIS, 'Ix', 'gaussmf',

[sx 0], 'Name', 'zero');

figure;
subplet (2,2,1);
Coloxmap ('gray');
title ('Edge dekction using forzy Logic');

Result
Thus project of fuzzy logre
Thus project of fuzzy logre
Trage processly has been executed successfully