A = zeros(100, 100);

% For City Block (Manhattan) Distance

For I = 1:100

For j = 1:100

% City Block distance formula

If abs(Cx – i) + abs(Cy – j) <= Radius

A(I, j) = 255; % Assign value for City Block distance

End

End

End

Figure;

Imshow(A);

Title(‘City Block Distance’);