**University of the Punjab**

**Gujranwala Campus**

**Department of Information Technology**



**Assignment: Computer Vision**

**Prepared by:**

**Rimsha Javaid**

**Roll no:**

**BIT21204**

**Submitted to:**

**Miss Fouqia Zafeer**

**CITY BLOCK DISTANCE:**

**CODE:**

% Clear A and reuse it for City Block distance

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

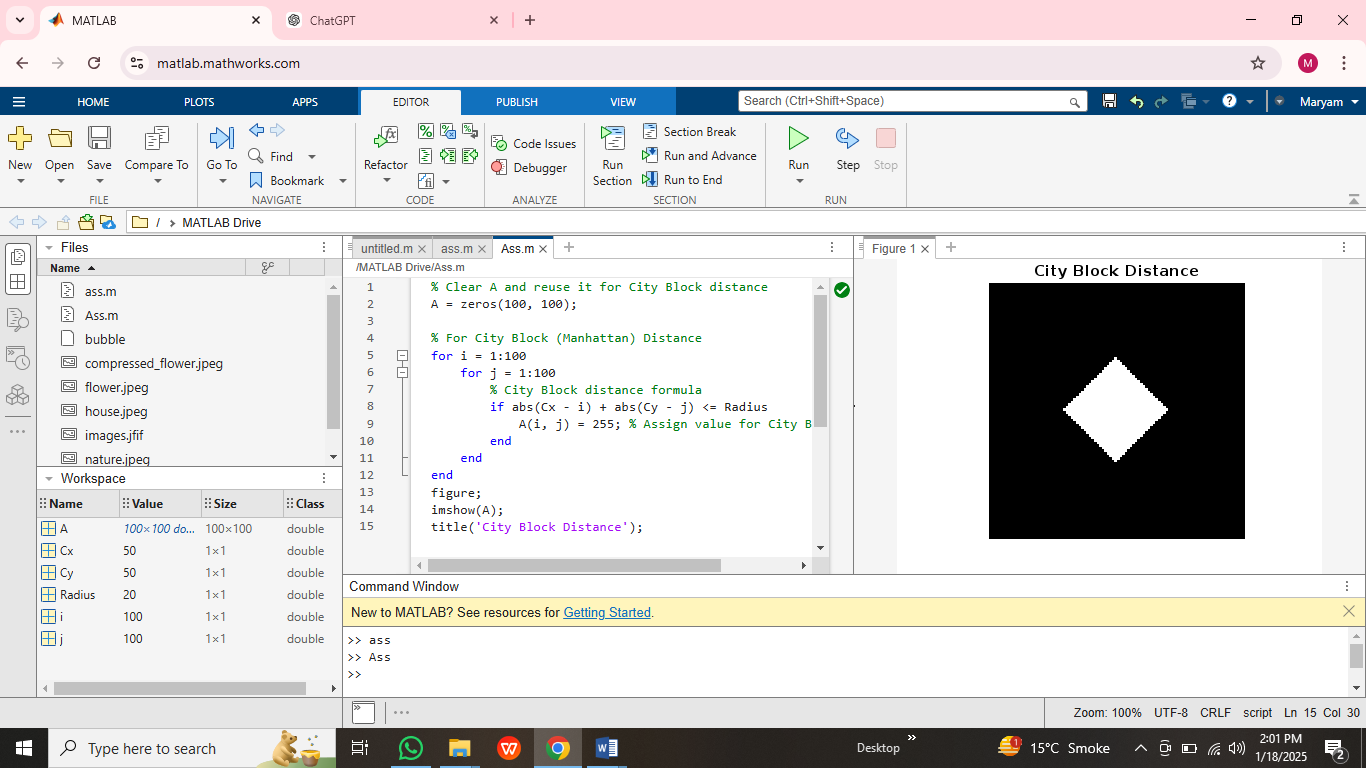
end

figure;

imshow(A);

title('City Block Distance');

**OUTPUT:**

****