% Simulating Bin Fill Level (0-100%)

binLevel = randi([0, 100], 1, 10); % Generates 10 random values

disp("Bin Fill Levels: ");

disp(binLevel);

% Detect when bin is full (threshold 80%)

alertThreshold = 80;

alerts = binLevel >= alertThreshold;

disp("Alerts (1 = Bin Full, 0 = Bin OK): ");

disp(alerts);