```
function compareNetworks(labelsUnbalanced, accuracyUnbalanced, labelsBalanced, accuracy

f = figure('visible', 'off');
cmNet800 = confusionchart(testDS.Labels, labels.train800);
f2 = figure('visible', 'off');
cmBalanced = confusionchart(testDS.Labels, labelsBalanced);
f3 = figure('visible', 'off');
cmUnbalanced = confusionchart(testDS.Labels, labelsUnbalanced);


unbalancedPercentages = [diag(cmUnbalanced.NormalizedValues); accuracyUnbalanced*100];
balancedPercentages = [diag(cmBalanced.NormalizedValues); accuracyBalanced*100];
net600Percentages = [diag(cmNet800.NormalizedValues); double(accuracy.net800)*100] ;

barData = [unbalancedPercentages, balancedPercentages, net600Percentages];

f = figure('visible','on');
f.Position(3) = 800;
f.Color = 'w';
b = bar(barData);
p = b.Parent;

p.XTickLabel = {'C-Cake'; 'F-Fries'; 'Hot Dog'; 'Ice Cream'; 'Pizza'; 'Overall'};
% p.Position(3) = 0.7
title('Accuracy Comparison Across Categories')
xlabel('Training Categories')
ylabel('Accuracy (%)')
ylim ([0 105])

lgd = legend('Unbalanced', 'Balanced', 'Net800');
lgd.Location = 'bestoutside';

grid on;

reset(f)


end
```