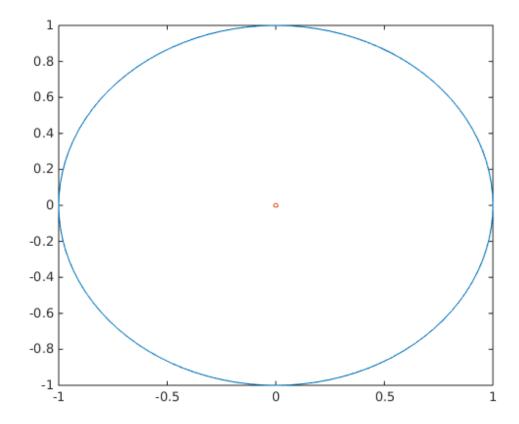```
clc
clear all
close all
%Unit Circle
%2017KUCP1017
%Tanuj Mehta
%File Name: tanuj_unitcircle.m

r=1;
a=0;
b=0;
t=0:2*pi/100:2*pi;
x=a+r.*cos(t);
y=b+r.*sin(t);
aa=0.01;
bb=0.01;
z=a+aa.*cos(t);
w=b+bb.*sin(t);
plot(x,y)
hold on
plot(z,w)
```



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