```matlab
clc;close all; clear all;
x=linspace(0,10,50);
y=(x.^10)-1;
xl=0;
xu=1.3;
err=0.01;
iter=1;
while abs(xu-xl)>err
    xr=(xl+xu)/2;
    y1=(xl^10)-1;
    yr=(xr^10)-1;
    yu=(xu^10)-1;
    if y1*yr<0
        xu=xr;
    else
        xl=xr;
    end
    iter=iter+1;
end
fprintf('root of equation = %f' , xr);
plot(x,y);
hold on;
hline=refline([0 0]);
```
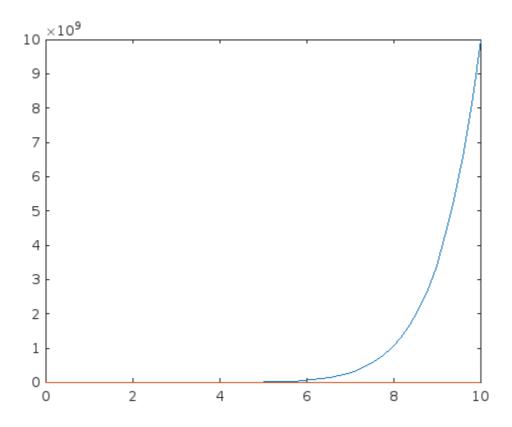
root of equation = 1.000391



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