

```
Editor - C:\Users\tomisin\Documents\MATLAB\Ass1.m
INTERPOLATION.m x linear.m x Untitled.m x Ass1.m x ass3.m x ass2.m x +
1 - commandwindow
2 - clear
3 - clc
4 - close all
5 - format short g
6 - syms v
7 - v = 0.5
8 - for i=1:inf
9 -     iter(i+1)=i;
10 -    v(i+1)= sqrt(((34.3 + 0.02*v(i))*(500 + (log(v(i)))^3)/0.3));
11 -    Ea(i+1)= abs((v(i+1)-v(i))/v(i+1))*100;
12 -    if Ea(i+1)<=1E-11
13 -        break
14 -    end
15 - end
16 - table(iter',v',Ea')
17 - %figure(1)

Command Window
New to MATLAB? See resources for Getting Started.
13    304.07    1.2888e-08
14    304.07    1.8904e-09
15    304.07    2.7729e-10
16    304.07    4.066e-11
17    304.07    5.9822e-12
fx >>
```