```
% Problem 3
close all
clear
clc
format long e
x_bisection = bisection(10^(-10), -4.8, -4.2);
x_Newton = Newton(10^(-10),-4.2);
x_Secant = Secant(10^(-10), -4.8, -4.2);
% For Bisection Method;
 total_iteration_bisection = length(x_bisection)
 root_bisection = x_bisection(total_iteration_bisection)

 % For Newton Method;
 total_iteration_Newton = length(x_Newton)
 root_Newton = x_Newton(total_iteration_Newton)

 % For Secant Method;
 total_iteration_Secant = length(x_Secant)
 root_Secant = x_Secant(total_iteration_Secant)
```

```
total_iteration_bisection =

    32


root_bisection =

    -4.546767488820480e+00


total_iteration_Newton =

     5


root_Newton =

    -4.546767488787903e+00


total_iteration_Secant =

     6


root_Secant =

    -4.546767488787903e+00
```

Published with MATLAB® R2016b