```
Editor - D:\matrix_problem_5.m
   inter.m × matrix_problem_5.m × +
 1
        %problem6
 2 -
        close all;
 3 -
        clear all;
        clc;
 5 -
        t = linspace(0,.02);
        v = 10*sin(100*pi*t + 45);
 7 -
        i = .2*sin(100*pi*t+135);
        subplot(2,1,1), plot(t,v);
 9 -
        xlabel('time (s)'),ylabel('voltage (v)')
10 -
        subplot(2,1,2), plot(t,i);
        xlabel('time (s)'),ylabel('current (A)')
11 -
12
```

