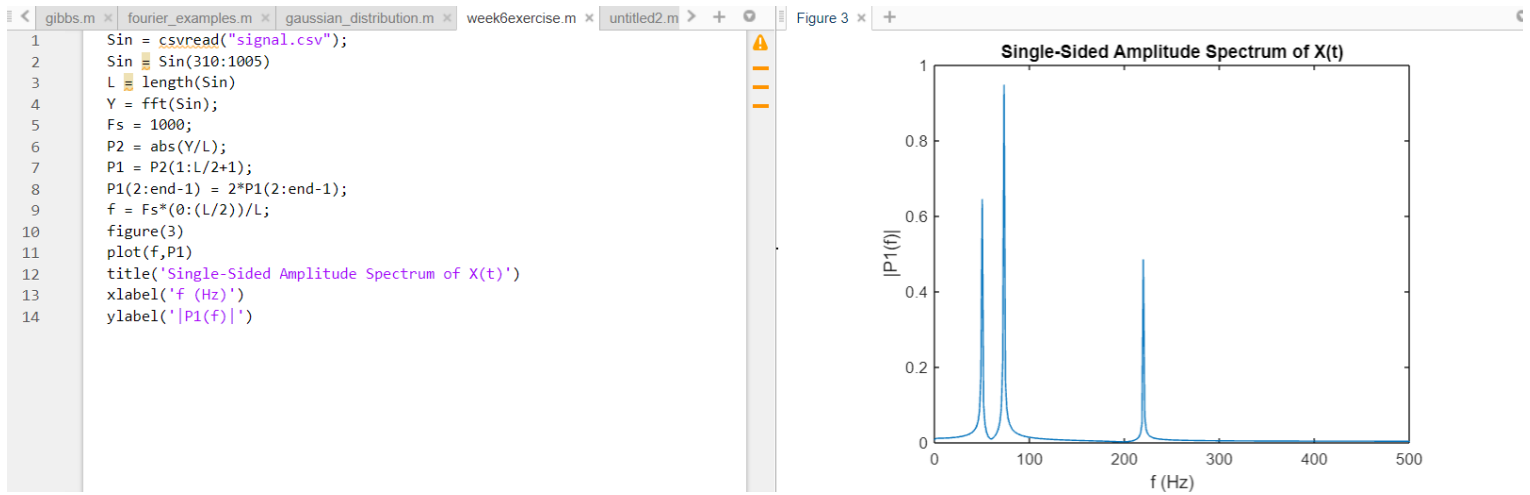
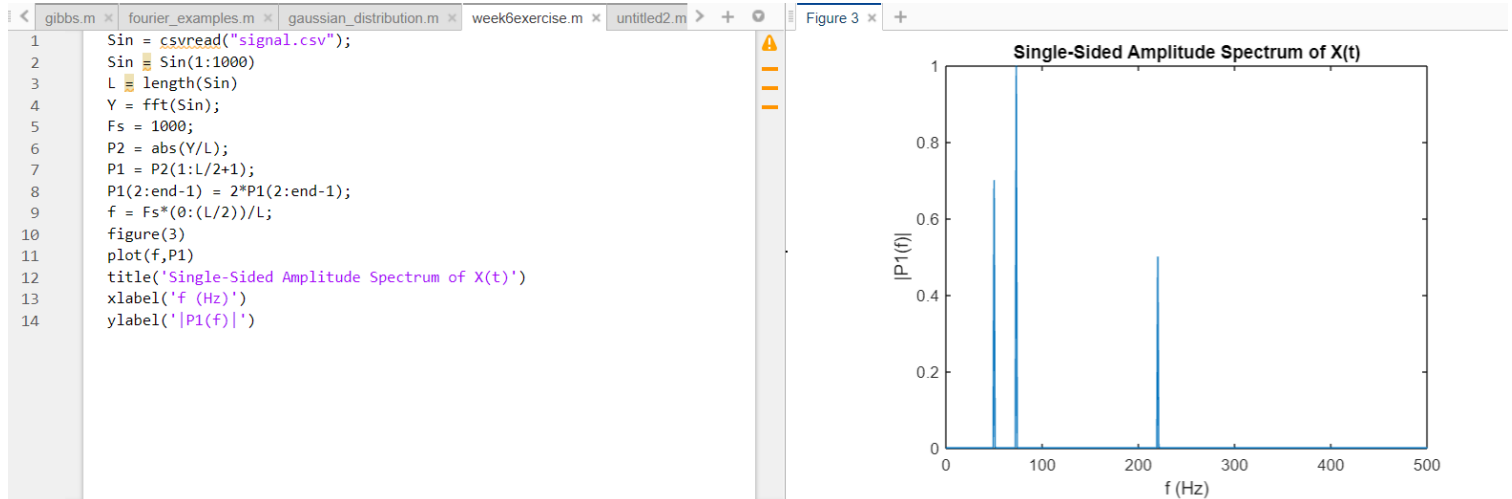


Signal 1:

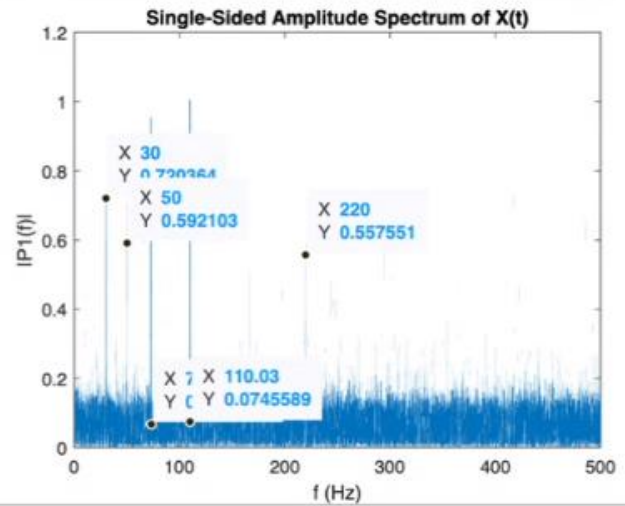


Signal 2:

```

1 Sin1 = csvread("signal.csv");
2 Sin2 = csvread("signal2.csv");
3 Sin3 = Sin1 + Sin2;
4 Sin3 = Sin3(1:100000);
5 L = length(Sin3);
6 Y = fft(Sin3);
7 Fs = 1000;
8 P2 = abs(Y/L);
9 P1 = P2(1:L/2+1);
10 P1(2:end-1) = 2*P1(2:end-1);
11 f = Fs*(0:(L/2))/L;
12 figure(3)
13 plot(f,P1)
14 title('Single-Sided Amplitude Spectrum of X(t)')
15 xlabel('f (Hz)')
16 ylabel('|P1(f)|')

```



Signal 3:

```

1 Sin = csvread("signal_3.csv");
2 Sin = Sin(4000:100000);
3 L = length(Sin);
4 Y = fft(Sin);
5 Fs = 1000;
6 P2 = abs(Y/L);
7 P1 = P2(1:L/2+1);
8 P1(2:end-1) = 2*P1(2:end-1);
9 f = Fs*(0:(L/2))/L;
10 figure(3)
11 plot(f,P1)
12 title('Single-Sided Amplitude Spectrum of X(t)')
13 xlabel('f (Hz)')
14 ylabel('|P1(f)|')

```

