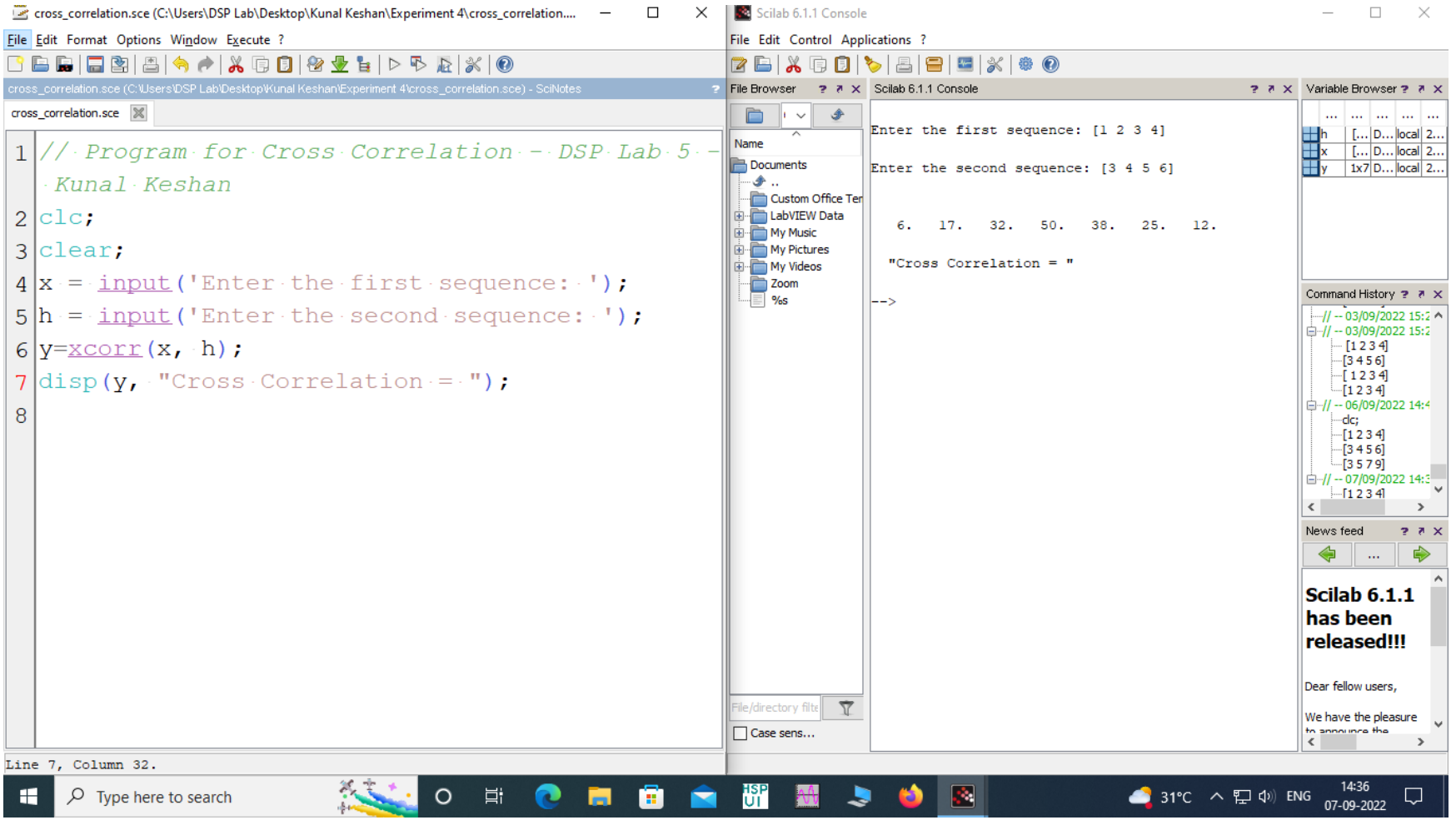
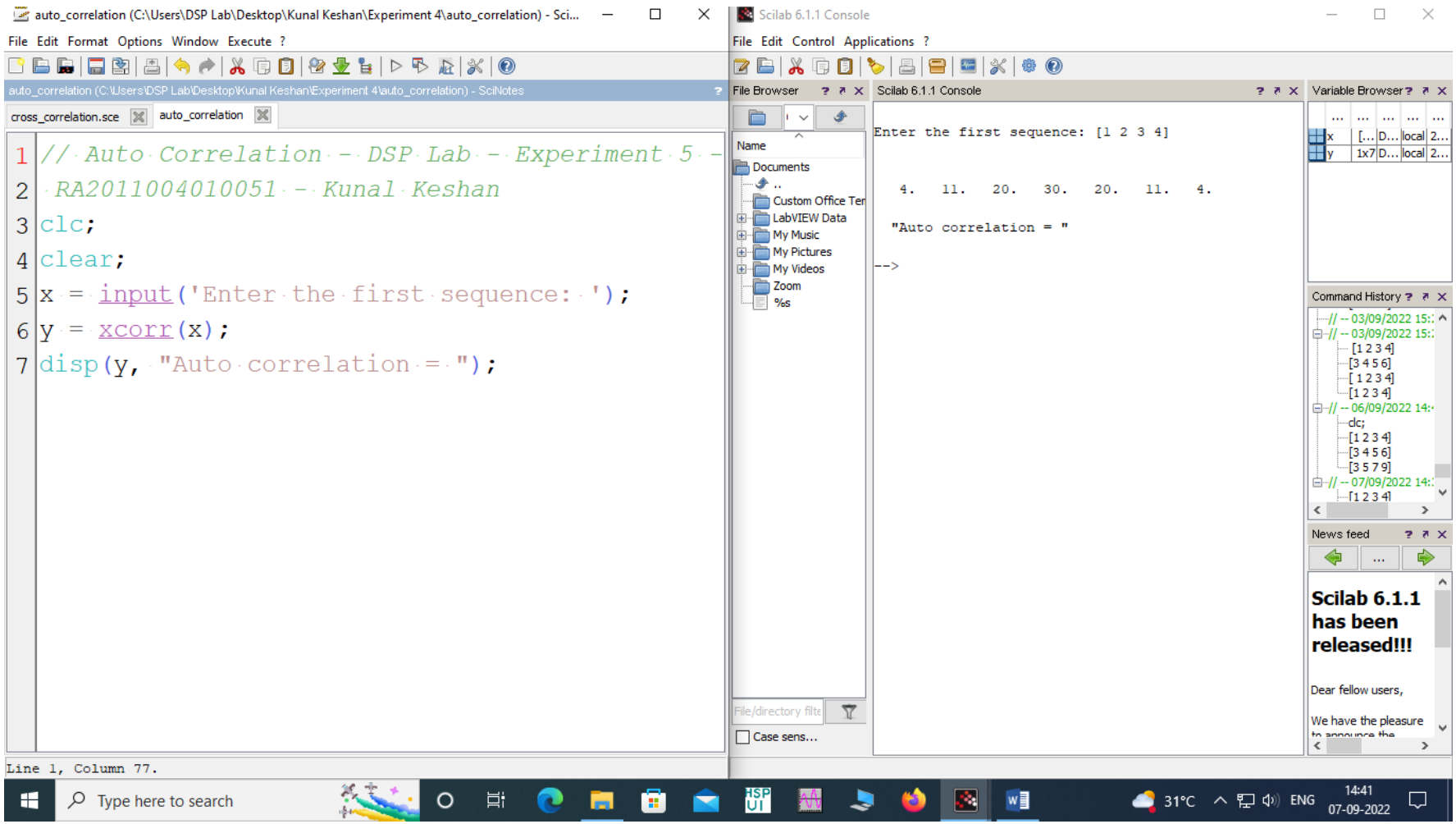
DSP – Experiment 5 – Output

Cross correlation Output





Auto Correlation

spectrum_analysis (C:\Users\DSP Lab\Desktop\Kunal Keshan\Experiment 4\spectrum_analysis) -...

File Edit Format Options Window Execute ?

spectrum_analysis (C:\Users\DSP Lab\Desktop\Kunal Keshan\Experiment 4\spectrum_analysis) - SciNotes

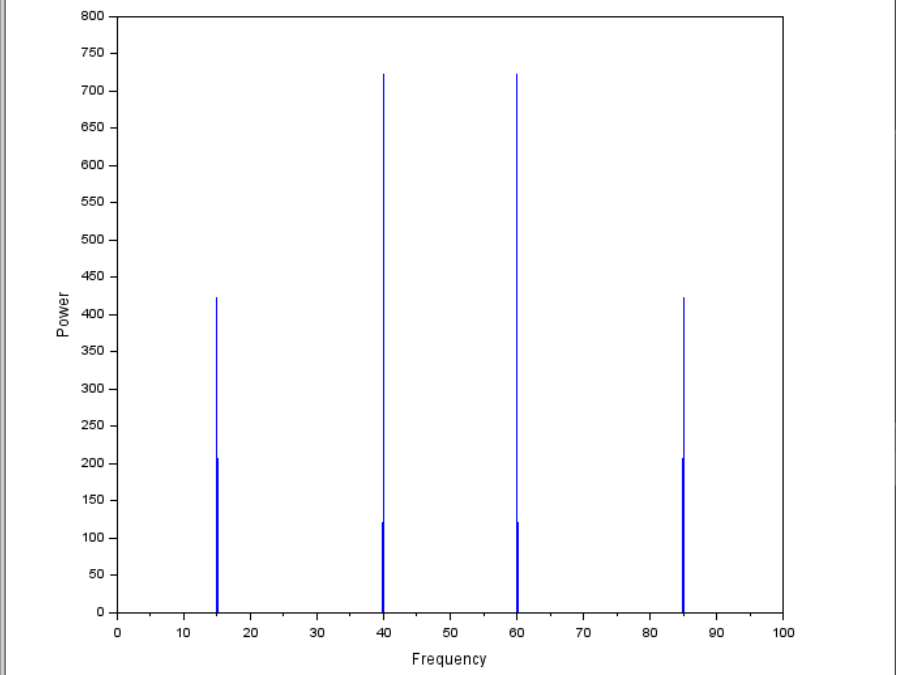
cross_correlation.sce | auto_correlation | spectrum_analysis

```
1  // Spectrum Analysis - DSP Lab - Experiment 5 - RA2011004010051 - Kunal Keshan
2  clc;
3  clear; close;
4  fs=100;
5  t=0:1/fs:10-1/fs;
6  x=((1.3)*sin(2*%pi*15*t)+(1.7)*sin(2*%pi*40*(t-2)));
7  y=fft(x);
8  n=length(x);
9  f=(0:n-1)*(fs/n);
10 power=abs(y).^2/n;
11 plot(f, power);
12 xlabel('Frequency');
13 ylabel('Power');
14
```

Line 7, Column 9.

Graphic window number 0

File Tools Edit ?



Type here to search

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Spectrum Analysis