**Task 4**

Add to your framework the following features:

1. Delaying or advancing a signal by k steps
2. Folding a signal
3. Delaying or advancing a folded signal
4. Compute moving average y(n) for signal x(n) let the user enter the number of points included in averaging
5. Accumulation of input signal



1. Sharpening Signals

Compute and display y (n) which represents

First Derivative of input signal

Y(n) = x(n)-x(n-1)

Second derivative of input signal

Y(n)= x(n+1)-2x(n)+x(n-1)

1. The ability to convolve two signals