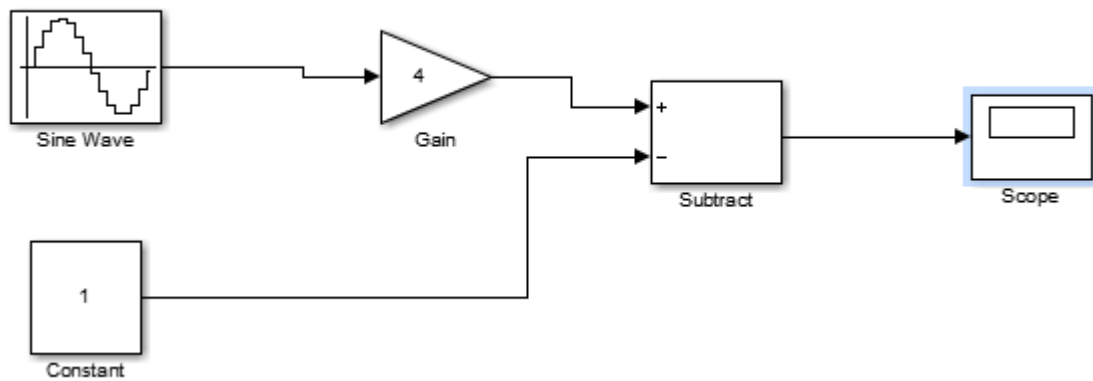


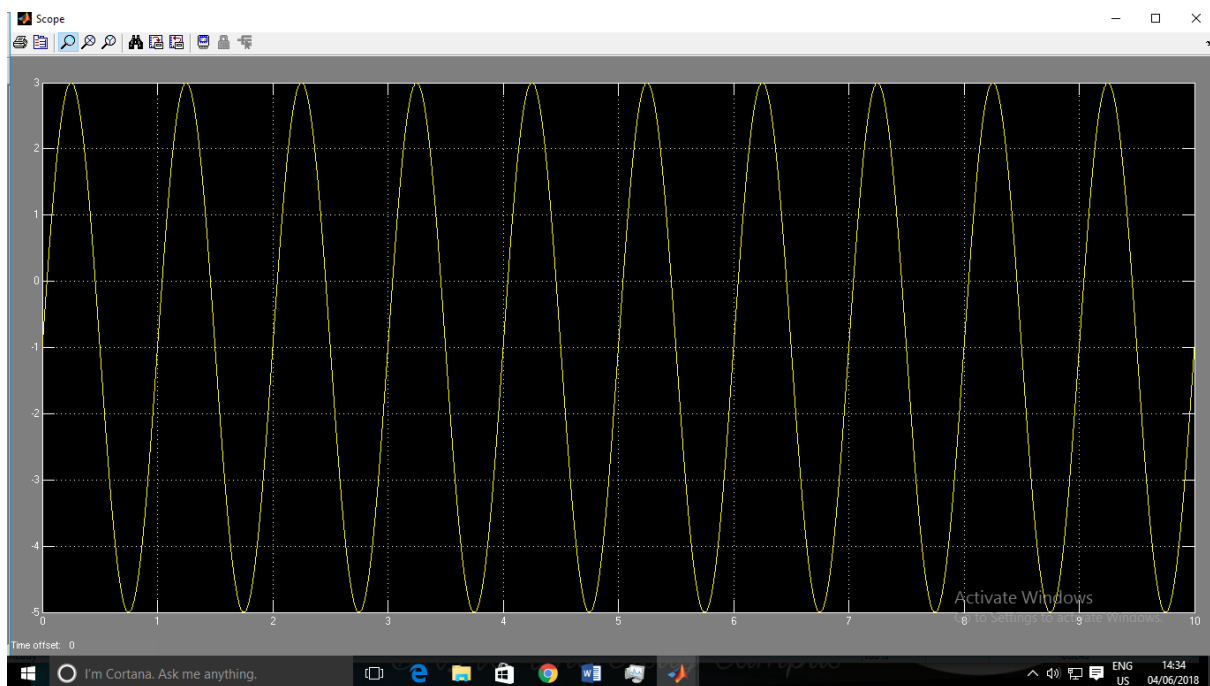
SIMULINK LAB-01

Example 1: $4 \cdot \sin(t) - 1$

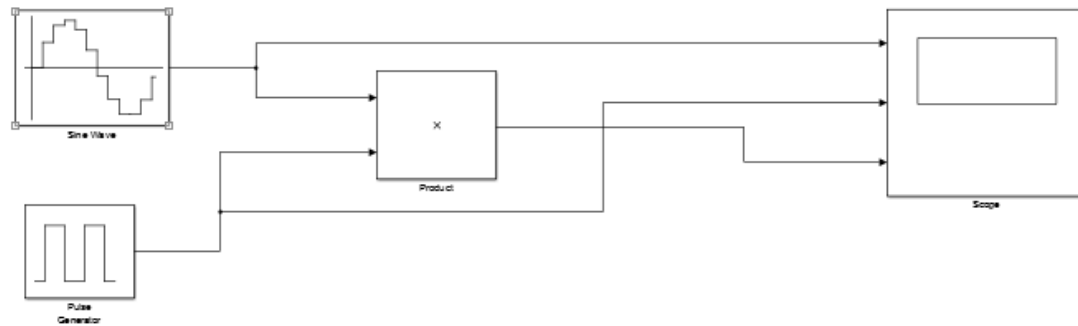
Schematic diagram:



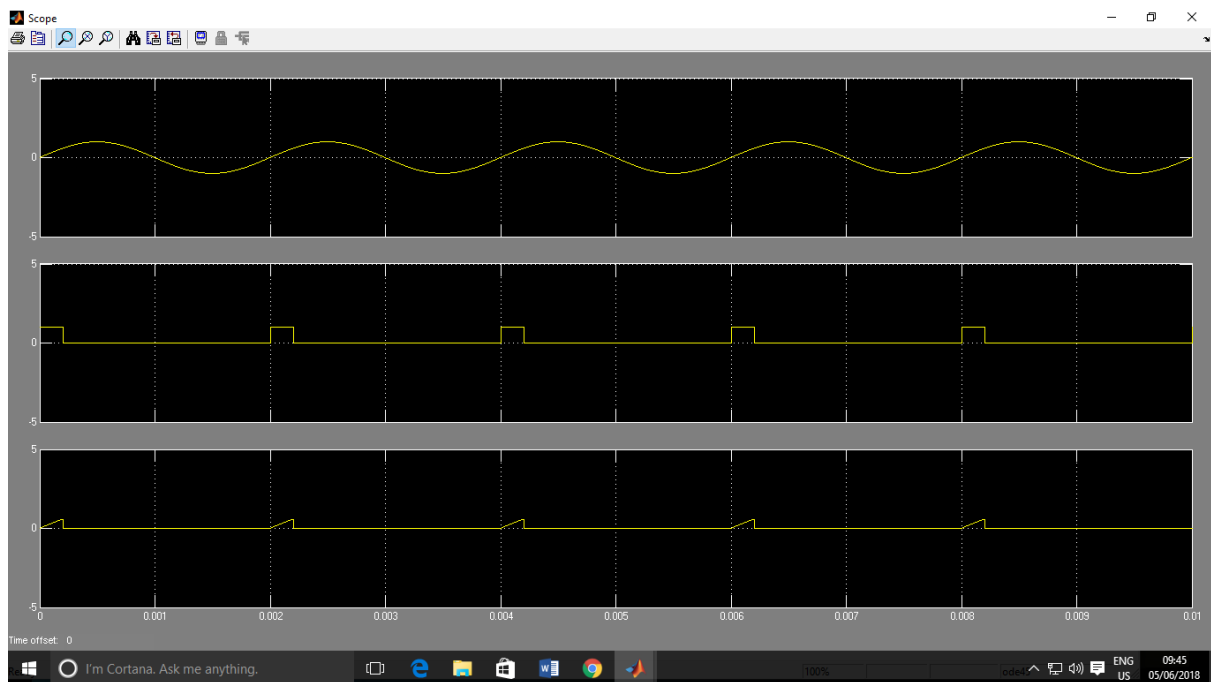
Wave shape for 1kHz:



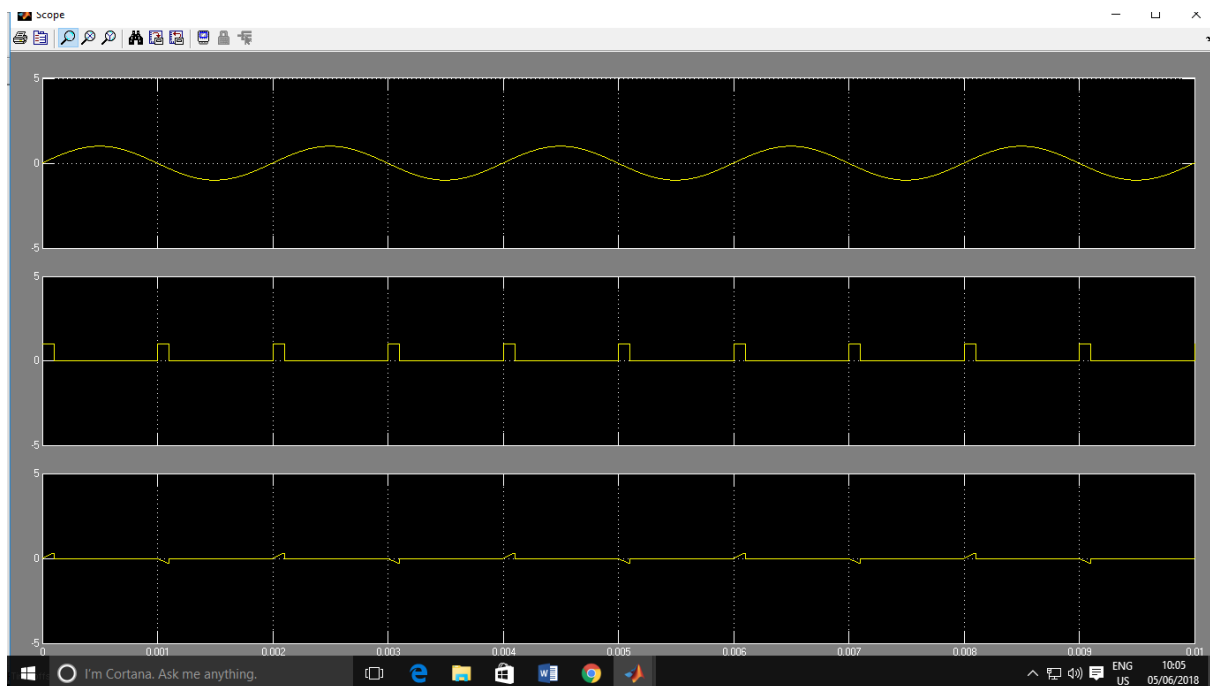
Schematic diagram for Sampling:



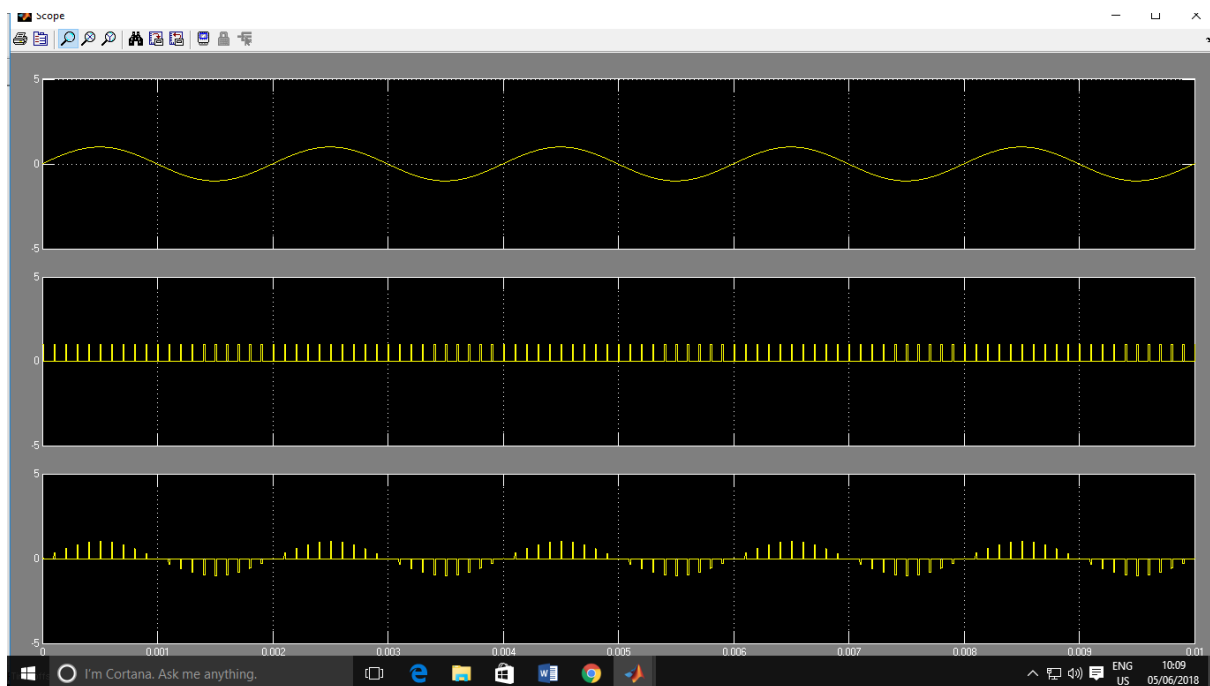
Sampling Wave shape for 500Hz:



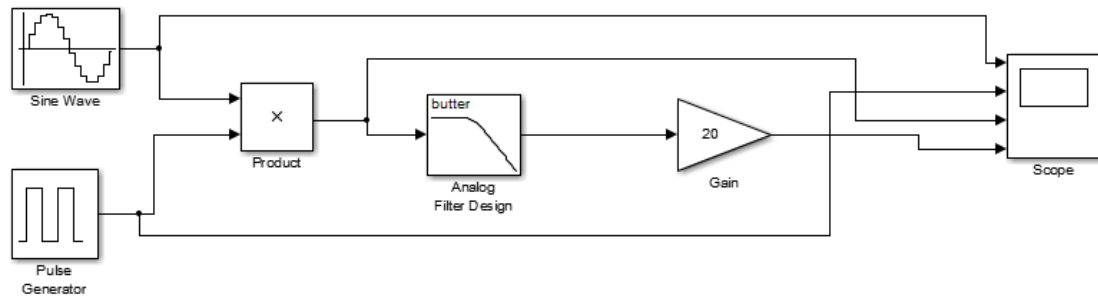
Sampling Wave shape for 1kHz:



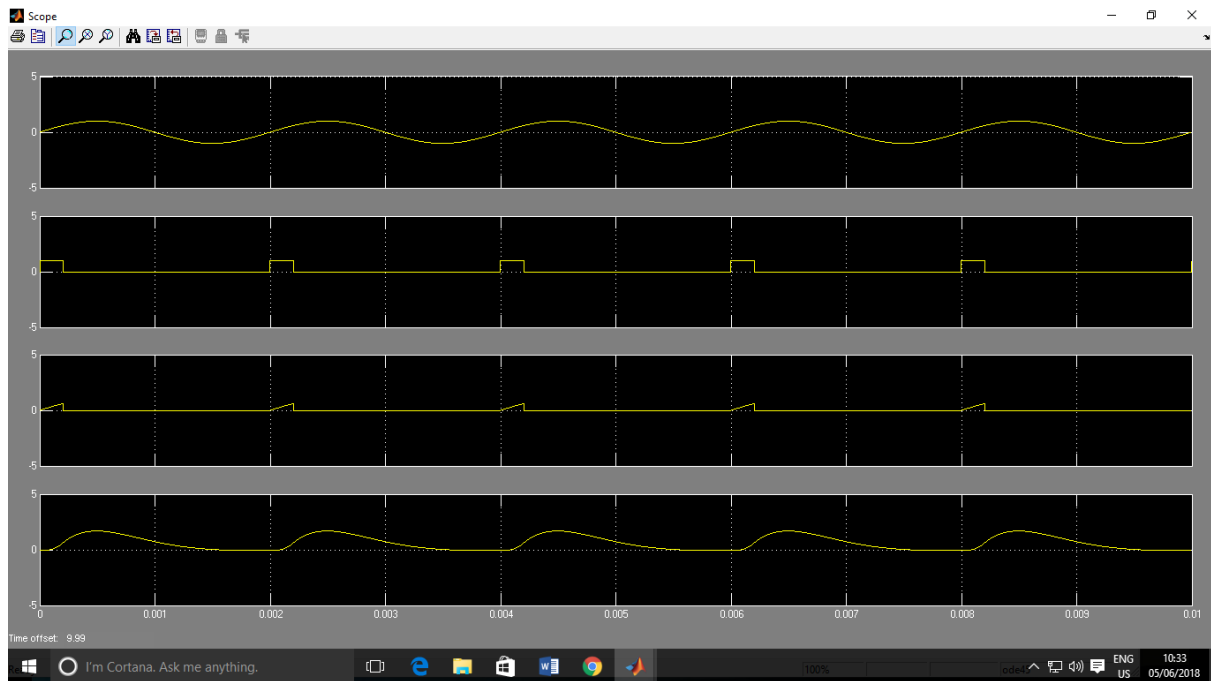
Sampling wave shape for 10kHz:



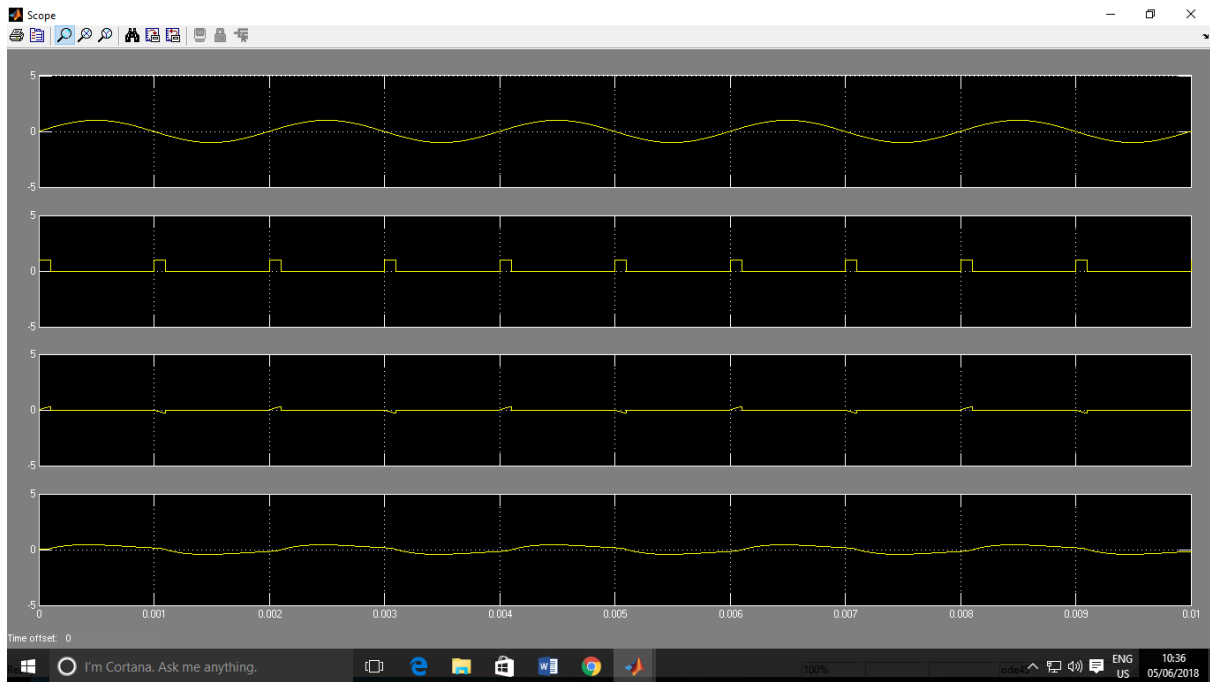
Schematic diagram of sampling and reconstruction for 2nd order:



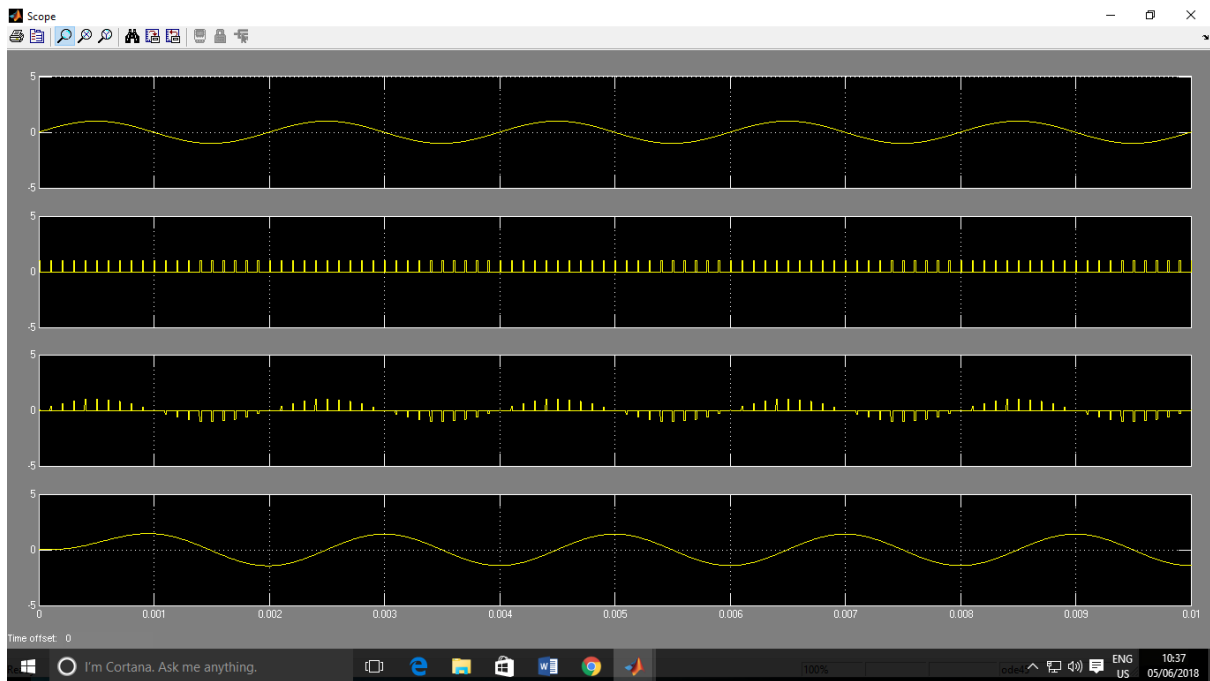
Wave shape for 500Hz:



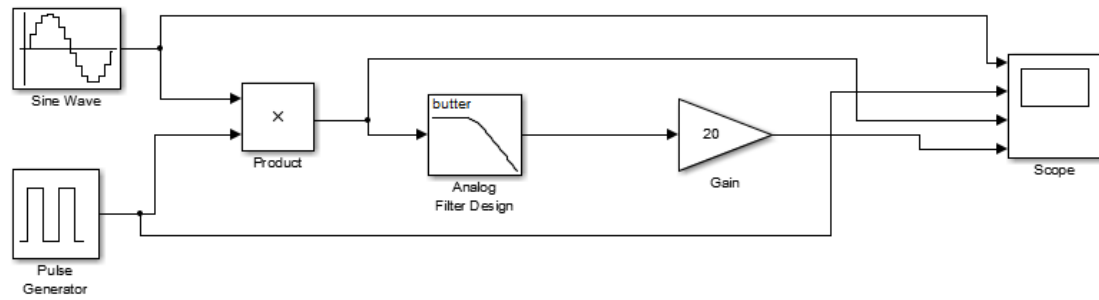
Waveshape for 1kHz:



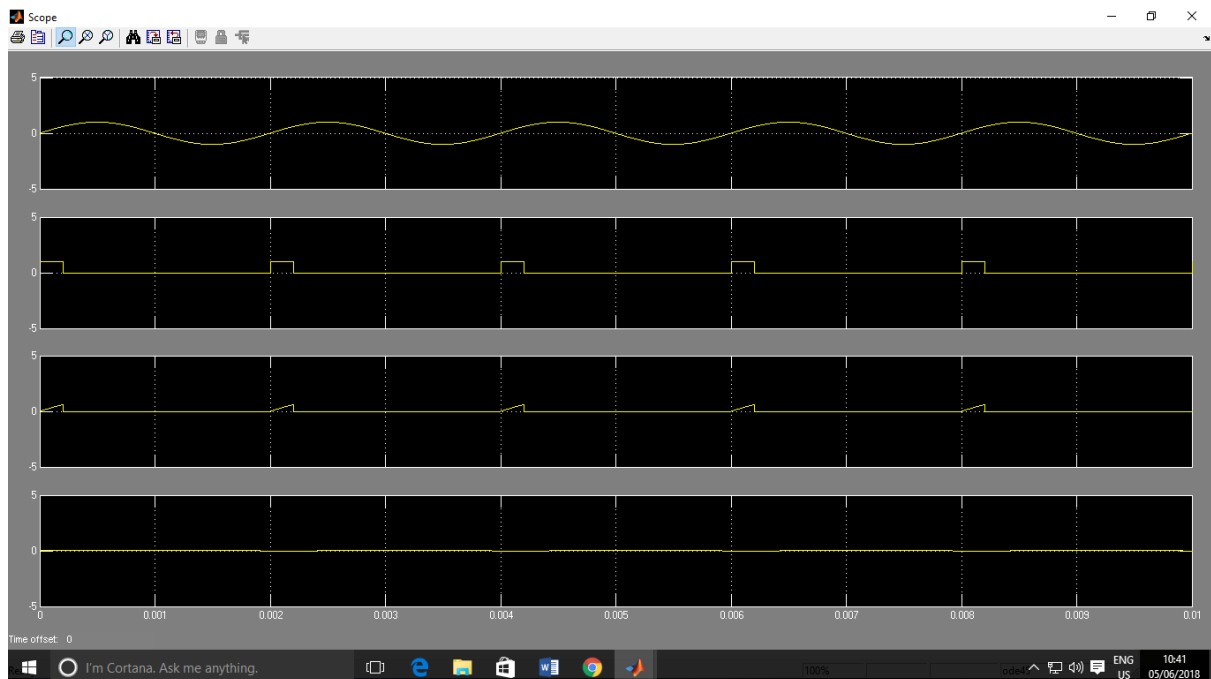
Waveshape for 10kHz:



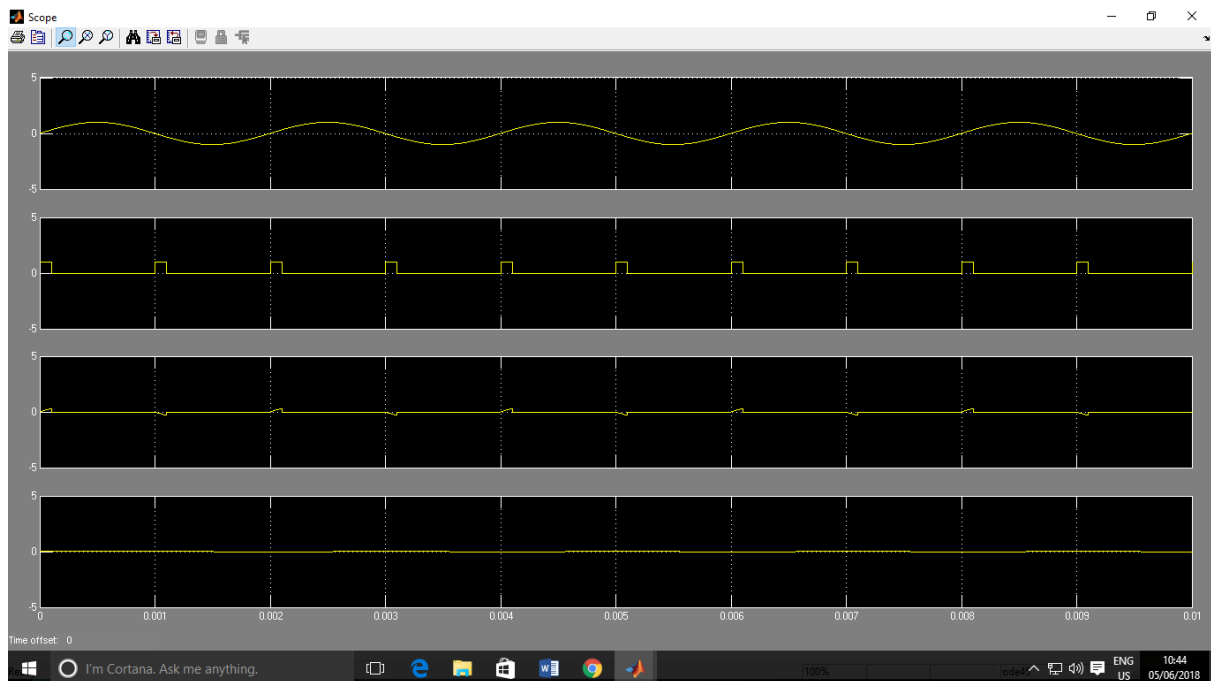
Schematic diagram of sampling and reconstruction for 4th order:



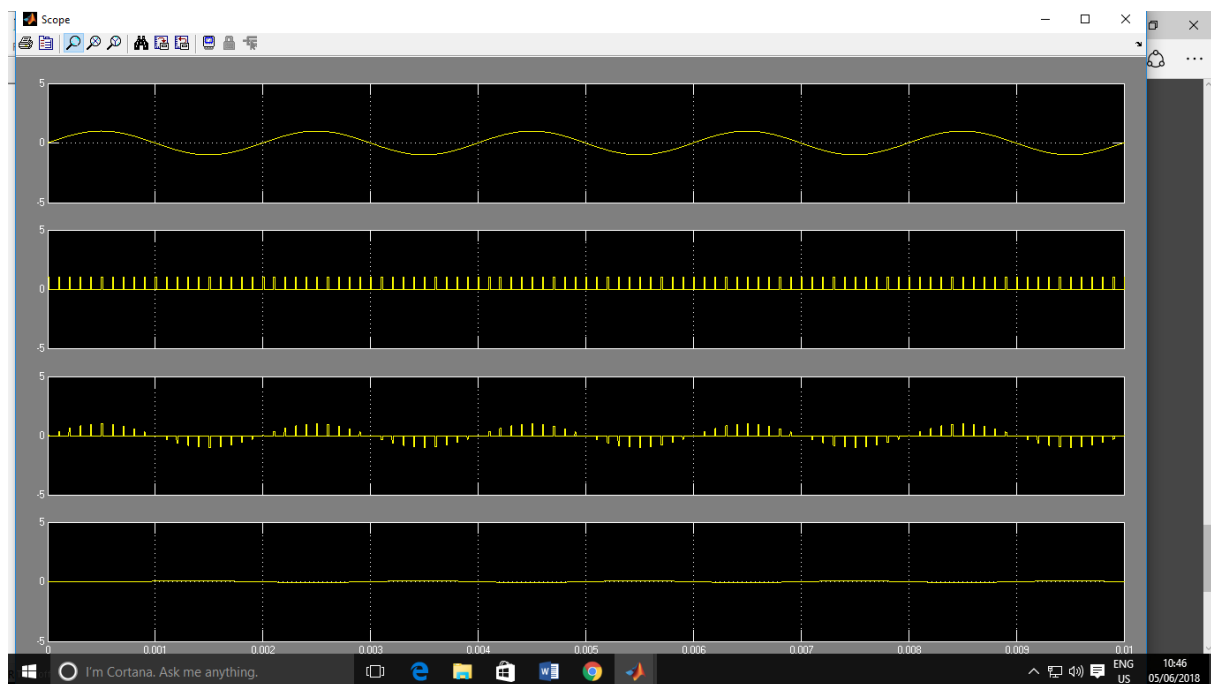
Waveshape for 500Hz:



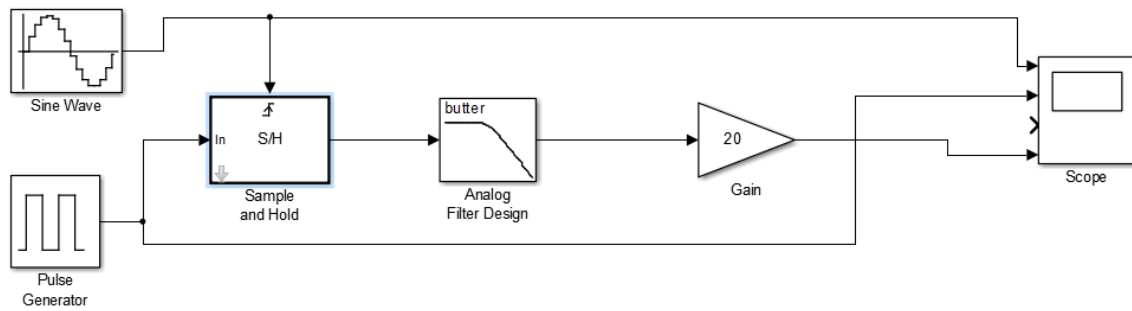
Waveshape for 1kHz:



Waveshape for 10kHz:



Schematic diagram for sampling hold and reconstruction:



Waveshape for 1kHz:

