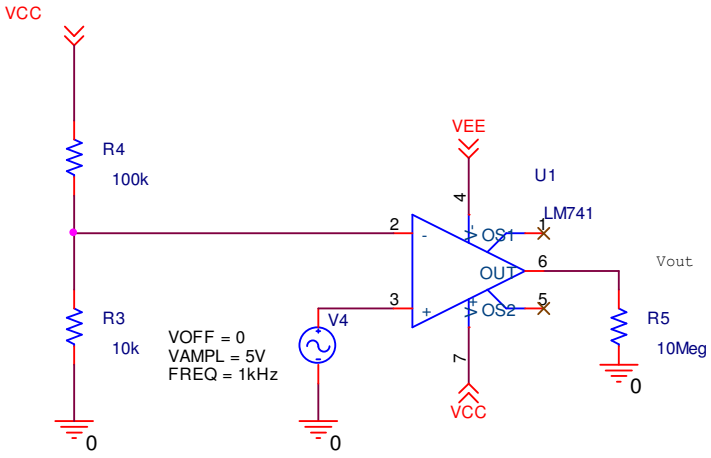
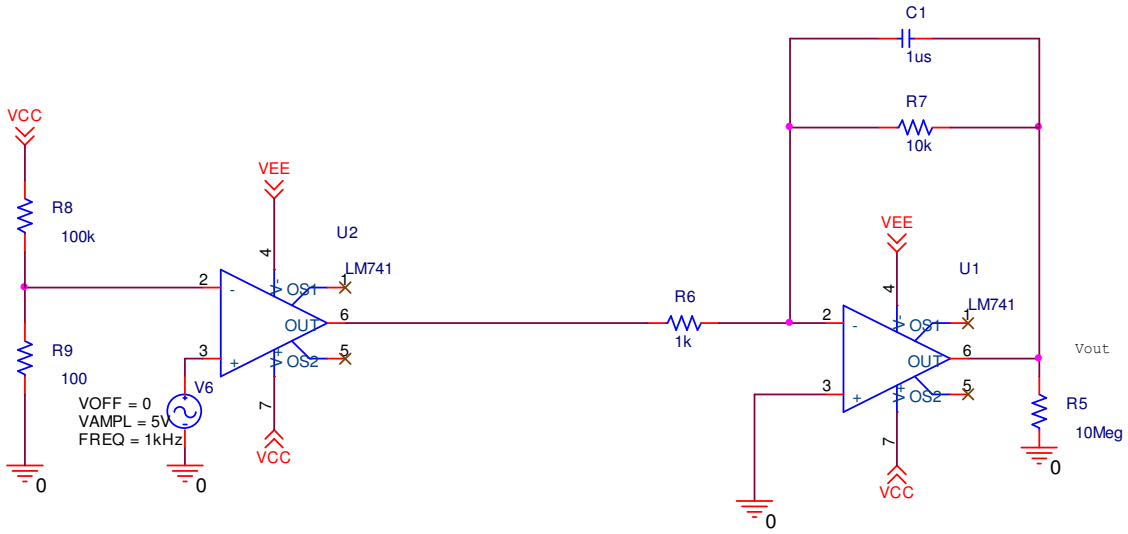
1-) Implement the comparator. Set the input to 1kHz 5V sin wave. (VCC = 12V, VEE = -12V). Observe the output by oscilloscope. Verify the result with theory. What happens when you tune with R3 ?



Comparator

2-) Implement the comparator. Set the input to 1 kHz 5V sin wave. (VCC = 12V, VEE = -12V). Observe the output by oscilloscope. Then, connect the output of the comparator to integrator. What do you observe at the output ?



Comparator Integrator

Conclusion:

What can you say about the waveform generation ? Can you obtain any waveform by op-amp applications ?