- 6.2 Postlab 6. Please answer the following questions about the ADC and DAC, and submit your source code.
- 1. Consider a system where the DAC is updated every 4us (250 kHz) with a value from a 200- element wave table containing a single cycle of a waveform. What would be the frequency of the output wave?

- 2. Consider that the ADC in 12-bit mode divides the input voltage range (0-3V) into 4096 steps (where 0V is 0, and 3V is 4095).
- What is the voltage/measurement resolution (how much does the voltage change per bit) of the ADC?

• What would be the ADC output value (nearest integer) if the input voltage was 1.75V?