## Lab 7 - Rotary Encoder and Interrupts

**Item** | **Outcome** | **Score** | **Max.**
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Encoder Operation | | | |
• Correct display of count on the LCD | Yes/No | 3 |
• Correctly shows positive and negative numbers | Yes/No | 1 |
• Tones played correctly every 8th count | Yes/No | 3 |
• Responds to encoder correctly during playing of tone | Yes/No | 3 |

Code Organization (Graded after submission) | | | |
• Code is indented properly and includes comments | Yes/No | 2 |
• Correctly initialized interrupts | Yes/No | 2 |
• Provided an ISR for pin change interrupts | Yes/No | 2 |
• Time-consuming tasks not done in ISR | Yes/No | 1 |
• Encoder inputs read at same time | Yes/No | 1 |
• Tone generation done correctly | Yes/No | 1 |
• Code only updates LCD when count changes | Yes/No | 1 |

**Total** | | | **20**

Open ended comments: