

**2**
**Micro  
Processors** **Controlling LED brightness with PWM**

Submission form revision January 8, 2026

I am submitting my own work, and I accept penalties will be assessed against me if I submit work that isn't mine.

**Point Scale**  
 4: Exemplary  
 3: Complete  
 2: Incomplete  
 1: Minor effort  
 0: Not submitted

Print Name

Sign Name

Date

Asst. Signature

<b>Requirements</b>			<b>Pts</b>	<b>x Wt =</b>	<b>Score</b>
1. Control LED brightness using assembly subroutines			x	2	=
2. Pass parameters to/from subroutines			x	2	=
3: Control LED brightness using software PWM			x	3	=
4. Control RGB LED brightness using hardware PWM			x	3	=
Total Score (add all rows)					
Leave blank for on-time submission, or: Enter <b>+4</b> if one or more weeks early; Enter <b>-6</b> if one or two weeks late; Enter <b>X</b> if two or more weeks late					
Requirements Possible Score	<b>40</b>	Add the two rows above for the Requirements Earned Score Enter <b>0</b> if more than two weeks late			
<b>Challenges</b>			<b>Pts</b>	<b>x Wt =</b>	<b>Score</b>
1. Use switches and buttons to control LEDs			x	3	=
Total Score (add all rows)					
Leave blank for on-time submission, or: Enter <b>+2</b> if one or more weeks early; Enter <b>-3</b> if one or two weeks late; Enter <b>X</b> if two or more weeks late					
Challenges Possible Score	<b>12</b>	Add the two rows above for the Challenges Earned Score, or Leave blank if no challenges submitted, Enter <b>0</b> if more than two weeks late			