CS 3651 Skill Demo #1 LED Blinking and Servo Twitching

Student Name:

Student GTID:

Preparation: Read pages 1-69 in the BoeBot book

**Task 1: LEDs and resistors.**
Insert computer, LEDs resistors so that your kit appears as illustrated in Figure 2-4 in the book.

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**Task 2: Connect and center your servos.**
Insert the jumper as illustrated in Figure 2-12. Connect two servo motors as illustrated in Figure 2-13 and 2-14. Follow the instructions in the book to “center” them.

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**Task 3: Write code to move your servos.**
Write a program that accomplishes the following:

1) Power servos, in neutral (no movement) for 5 seconds.
2) Move both servos very slowly clockwise for 2 seconds.
3) Move both servos very slowly counter clockwise for 2 seconds.
4) Move both servos as fast as possible clockwise for 2 seconds.
5) Move both servos as fast as possible counter clockwise for 2 seconds.

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