1. Connect the LED array to Port B. Connect the following circuit:


Typical circuit for 8 LED Array Connected to Port B
2. Create, assemble, make appropriate comments and save the original program shown on the left.
3. Execute the program and observe the operation. Depress the button slowly, but sometimes quickly to simulate events occurring at different speeds.
4. Modify the program so that 10 items are counted and then an interrupt is executed. The interrupt must work in reverse of the interrupt contained in the original program.
5. List of Registers:
*PACNT, Pulse accumulator counter, address: \$1027*
*PACTL, Pulse accumulator control, address: \$1026*
*TMSK2, Timer interrupt mask 2, address: \$1024*
*TFLG2, Timer interrupt flag 2, address: \$1025*

