Write a program fragment which will accomplish each one of the following tasks.

(You might want to write the complete program in order to test whether or not it works!)

1. Print out your name on the screen
2. Print out integers 1 through 10 on the screen, each one on a different line
3. Interrogate the button. If the button is not pushed, print out a zero. If the button is pushed print out a 1
4. Blink an LED connected to pin 5 in such a way that it is on for 0.25 seconds and off for 0.75 seconds. Repeat forever.