

## Pseudocode PIC-activity 5

- configure TRISA, ANSELA and PORTA Registers
- initialize an array with a pattern to be displayed.
- initialize a counter variable, 'n', toggle variable  
(the toggle variable sets equal to 1 when LEDs are ON). 'n' is equal to zero, initialized for checking the element size in future).
- Create an if Statement that enables the led counter only if the counter == 500.  
This means that the leds are switching at roughly 0.5s.
- Create nested if statement inside the if statement that checks if n is less than the array size and outputs the LED pattern.
- Else it sets n equal to zero.
- Exit this if statement.
- Else statement of Counter if Statement sets toggle = 0.

## LED design

LED Pattern		
LEDs	Binary Value	Hex Value
	b'00000001'	0x01
	b'00000010'	0x02
	b'00000100'	0x04
	b'00001000'	0x08
	b'00010000'	0x10
	b'00100000'	0x20