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| Algorithm |
| Start |
| 0. Create Variables |
| 1. Initialize the LCD |
| 2. Set PORTD as Output |
| 3. Set PB2 As Input for the TSOP |
| 4. Set The Serial Monitor Baud Rate to 2000000 |
| 5. Start the forever loop |
| 6. Do the ADC on A0 Then Paste the Value Onto the Variable Named LED |
| 7. Do the ADC on A1 Then Paste the Value Onto the Variable Named BUZZ |
| 8. If Power is pressed |
| 8.1. add 1 to pow |
| 9. If pow equals to 1 |
| 9.1. If LED is Above 350 |
| 9.1.1. Print on the LCD " Alert! " |
| 9.1.2. Set PD5 As High and Everything else Low |
| 9.2 If BUZZ is Above 350 |
| 9.2.1. Print on the LCD " Alert! " |
| 9.2.2 Set PD6 as High and everything else Low |
| 9.3 If BUZZ and LED are Above 350 |
| 9.3.1 Turn Everything as low on PORTD |
| 10. If pow equals to 2 |
| 10.1. Print on the LCD " Off " |
| 10.2 Set pow to 0 |
| 11. Go to IRremote Void Function |