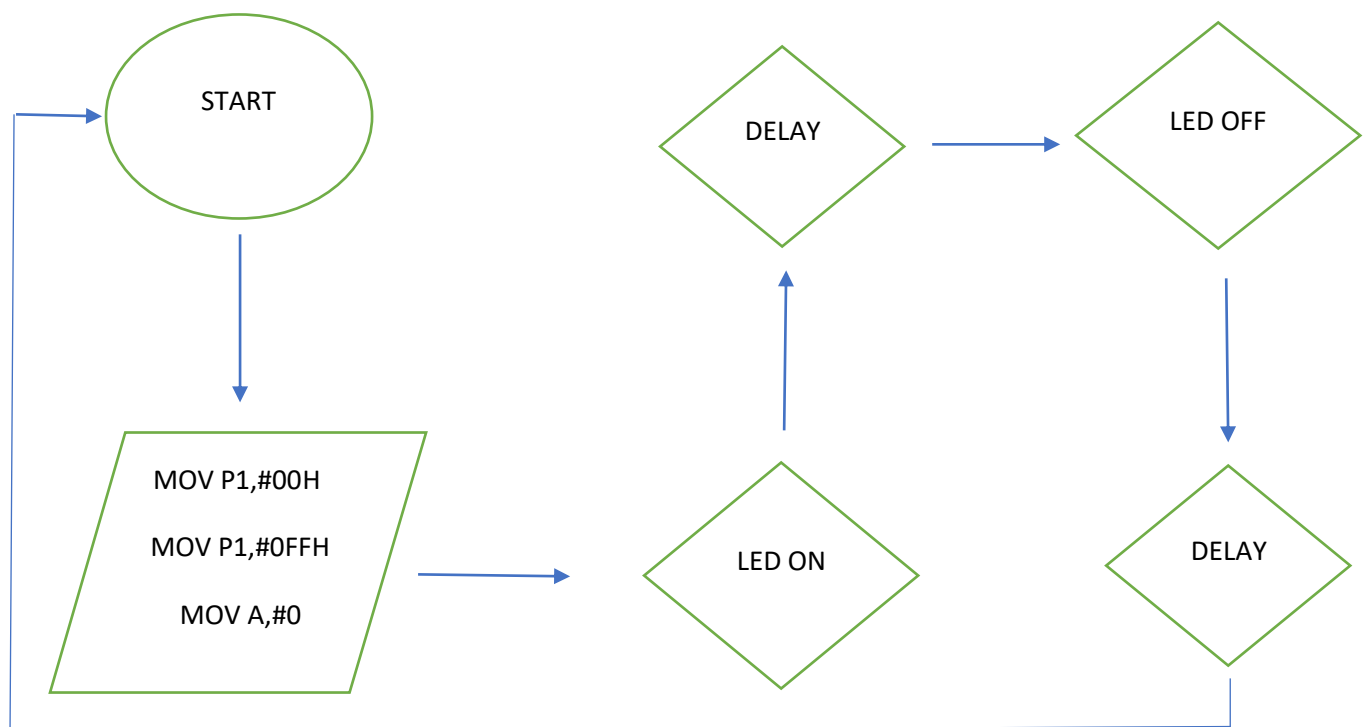


Objective

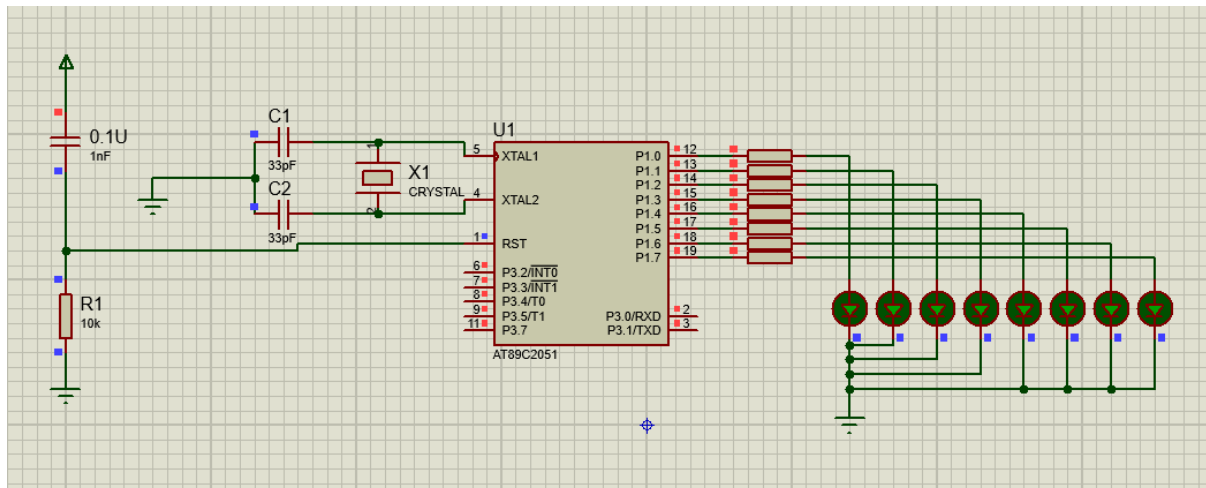
This program uses an 8-bit microcontroller to continuously increment a value and update a memory location while introducing delays in between.

Flowchart



Hardware Design

(A photo of your circuitry)



Software Design

```
ORG 00H
P1 EQU 090H
SJMP START
START:
MOV P1,#00H
MOV P1,#0FFH
MOV A,#0
AGAIN:
ADD A,#1H
MOV P1,A
CALL DELAY
SJMP AGAIN
DELAY:
MOV
R1,#250
LOOP0:MOV
R0,#255
LOOP1:DJNZR0,LO
OP1
DJNZ
R1,LOOP0
RET
END
```