

OUTPUT:

```
#include <reg51.h>

void delay();

void main() {
    while(1) {
        P2 = 0xFF; // All LEDs OFF
        delay();
        P2 = 0x00; // All LEDs ON
        delay();
    }
}

void delay() {
    int i, j;
    for(i = 0; i < 1000; i++) {
        for(j = 0; j < 100; j++);
    }
}
```