

Lab Experiment: 12

STEPPER MOTOR (CLOCKWISE)

```
#include <stdio.h>
#include <reg51.h>

char xdata port_a at 0xe803;
char xdata port_a at 0xe800;
char idata acc at 0x30;

delay() {
    int i;
    for (i = 0; i < 800; i++) {}
}

void main() {
    port_a = 0x80;
    while(1) {
        acc = 0x88;
        port_a = acc;
        delay();
        acc = 0x44;
        port_a = acc;
        delay();
        acc = 0x22;
        port_a = acc;
        delay();
        acc = 0x11;
        port_a = acc;
        delay();
    }
}
```