

LAB 12

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Q. Draw a Stepper Motor interface to rotate the motor in clockwise by N steps. Introduce suitable delay between successive steps.

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Ans #include <stdio.h>
#include <reg51.h>
char xdata port at 0xe803;
char xdata porta at 0xe800;
char xdata acc at 0x30;

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

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

```