

Drive a Stepper Motor interface to rotate the motor in Anti-clockwise by N steps. Introduce suitable delay between successive steps.

```
#include <stdio.h>
#include <reg51.h>
char xdata port_at_0xe803;
char xdata porta_at_0xe800;
char idata acc_at_0x30;

delay() // Delay b/w the rotation of the stepper motor
{
    int j;
    for (j=0; j<800; j++)
    {}
    return 0;
}

void main()
{
    port = 0x80; // Configure all the ports of 8255 as output
    while(1)
    {
        acc = 0x11;
        porta = acc;
        delay();
        acc = 0x22;
        porta = acc;
        delay();
        acc = 0x44;
        porta = acc;
        delay();
        acc = 0x88;
        porta = acc;
        delay();
    }
}
```

Diagram:-

