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

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

char xdata port _at_ 0xe803;
char xdata porta _at_ 0xe800;
char data acc _at_ 0x30

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

void main()
{ port = 0x80;   // configure all the ports of
                 8255 as output port

while(1)
{
  acc = 0x11;
  porta = acc;
  delay();
```

```c
acc = 0x22;
porta = acc;
delay ();
acc = 0x44;
porta = acc;
delay ();
acc = 0x88
porta = acc
delay ();
}
}
```

— Vigunesh chandrashekhar
IBM19 CS 18 2V