2] Drive a stepper motor interface to rotate the motor in clockwise by N steps. Introduce suitable delay between successive steps.

```c
#include <stdio.h>
#include <reg 51.h>
char xdata port - at - 0xe803 ;
char xdata porta - at - 0xe800;
char idat aacc - 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 = 0x88;
porta = acc;
delay ();
```

```
acc = 0x44;
porta = acc;
delay();
acc = 0x22
porta = acc
delay();
acc = 0x11
porta = acc;
delay();
}
}
```

— Vighnesh chandrashekhar

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