

Lab 12

Pradip Sathreesh Nayak
11BM19C8205

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

Ans

```
#include <stdio.h>
#include <reg51.h>
char *data_ptr = 0xe803;
char *data_ptr2 = 0xe800;
char data_acc = 0x30;
delay()
{
    int j;
    for (j = 0; j < 200; j++)
    {
    }
}

void main()
{
    data_ptr = 0x80;
    while (1)
    {
        data_acc = 0x88;
        data_ptr2 = data_acc;
        delay();
    }
}
```


acc = 0x44;

Port a = acc;

delay(1);

acc = 0x22;

Port a = acc;

delay(1);

acc = 0x11;

Port a = acc;

delay(1);

}

}