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1BM19CS187

Derive a Stepper Motor interface to rotate the motor in clockwise by N steps. Intro' suitable delay b/w successive steps.

→
```c
#include <stdio.h>
#include <reg51.h>
charxdata port _at_ 0xe803;
charxdata porta _at_ 0xe800;
charidataacc _at_ 0x30;
delay()  //delay b/w the rotation of the s. motor
{
    int j;
    for (j=0; j<800; j++)
    {}
}

void main()
{
    port = 0x80;  // config' all the ports of 8055 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();
}

}
```