

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

```
→ #include <stdio.h>
#include <reg 51.h>
char xdata port_a at 0xe803;
char xdata port_a at 0xe800;
char idata acc at 0x30;
delay() // Delay b/w the rotation of
the S. 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;
        port_a = acc;
        delay();
        acc = 0x22;
        port_a = acc;
    }
}
```

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```
delay();  
acc = 0x88;  
porta = acc;  
delay();  
}  
}
```