

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

Soln:-

```
#include <stdio.h>
#include <reg51.h>
char xdata port at 0xe803;
char xdata porta at 0xe800;
char xdata acc at 0x80;
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
    while (1)    8255 AS OUTPUT PORT
    {
        acc = 0x11;
        porta = acc;
        delay();
        acc = 0x22;
        porta = acc;
        delay();
        acc = 0x44;
```

①

```

porta = acc;
delay ();
acc = 0X88;
porta = acc;
delay ();
}
}

```

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