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STEPPER MOTOR INTERFACING

PROGRAM:

```
#include<lpc214x.h>
unsigned long int delay;

void dly(unsigned int dly);
int i;
unsigned char dir_fl;
int main(void)
{
    IO0DIR=0xFFFFFFFF;
    dir_fl=0;
    while(1)
    {
        if(dir_fl==0)
        {
            IO0SET=0X3;
            dly(2);
            IO0CLR=0X3;

            IO0SET=0X6;
            dly(2);
            IO0CLR=0X6;

            IO0SET=0XC;
            dly(2);
            IO0CLR=0XC;

            IO0SET=0X9;
            dly(2);
            IO0CLR=0X9;
        }
    }
}
```

```

else if(dir_fl==1)
{
    IO0SET=0X9;
    dly(2);
    IO0CLR=0X9;

    IO0SET=0Xc;
    dly(2);
    IO0CLR=0Xc;

    IO0SET=0X6;
    dly(2);
    IO0CLR=0X6;

    IO0SET=0X3;
    dly(2);
    IO0CLR=0X3;
}
}
}
void dly(unsigned int dly)
{
    for(i=0;i<=dly;i++)
    {
        for(delay=0;delay<=15000;delay++);
    }
}

```

OUTPUT:

