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Experiment no . 4
Stepper motor

```
#include <reg52.h>
#define Stepper_Port P2
void delay(unsigned int count)
{
    int i,j;
    for(i=0; i<count; i++)
        for(j=0; j<112; j++);
}
int main(void)
{
    int i,period;
    period = 100;
    while (1)
    {
        for(i=0; i<12; i++)
        {
            Stepper_Port = 0x09;
            delay(period);
            Stepper_Port = 0x08;
            delay(period);
            Stepper_Port = 0x0C;
            delay(period);
            Stepper_Port = 0x04;
            delay(period);
            Stepper_Port = 0x06;
            delay(period);

            Stepper_Port = 0x02;
            delay(period);
            Stepper_Port = 0x03;
            delay(period);
            Stepper_Port = 0x01;
            delay(period);
        }
        Stepper_Port = 0x09;
        delay(period); delay(1000);
        for(i=0; i<12; i++)
        {
            Stepper_Port = 0x09;
            delay(period);
            Stepper_Port = 0x03;
            delay(period);
            Stepper_Port = 0x06;
            delay(period);
            Stepper_Port = 0x0C;
            delay(period);
```

```
}  
Stepper_Port = 0x09;  
delay(period);  
delay(1000);  
}}
```