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STEPPER MOTOR

```
#include <LPC213X.h>
void delay();
int i;
unsigned char dir_fl;
int main()
          IODIR0 = 0XFFFFFFF;
          dir_fl = 0;
          while(1)
                    IOSET0 = 0x3;
                    delay();
                    IOCLR0 = 0x3;
                    IOSET0 = 0x6;
                    delay();
                    IOCLR0 = 0x6;
                    IOSET0 = 0xC;
                    delay();
                    IOCLR0 = 0xC;
                    IOSET0 = 0x9;
                    delay();
                    IOCLR0 = 0x9;
```

```
Young delay()

{
    for(i=0; i<=5000;i++)
        for(i=0; i<=150000; i++);

}

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```

DC MOTOR

```
#define bit(x) (1<<x)
#define delay for(i=0;i<=60000;i++)
unsigned int i;

void main()
{
IO0DIR=0xf; //Declaring as a output
IO0PIN=0; //Clear all IO Pins in P0
VPBDIV=0x01; //PCLK = 60MHz</pre>
```

#include<LPC213x.h>

```
while(1)
/Forward/
IO0SET=bit(0); //IN1 = 1
IO0CLR=bit(1); //IN2 = 0
delay;
delay;
/Off/
IOOCLR = bit(0)|bit(1); //IN1 = IN2 = 0
delay;
delay;
/Reverse/
IO0SET=bit(1); //IN2 = 1
IO0CLR=bit(0); //IN0 = 1
delay;
delay;
/Off/
IOOCLR=bit(0)|bit(1); //IN1 = IN2 = 0
delay;
delay;
```

