#include <LPC17xx.H>

void delay(unsigned int x);

main()

{

LPC\_SC->PCONP |= (1 << 15); /\* enable power to GPIO & IOCON \*/

LPC\_GPIO0->FIODIR |= 0x00078000; /\* Configure P0.15,P0.16,P0.17,P0.18 as Outputs\*/

LPC\_GPIO2->FIODIR &= ~(1<<10); /\* Configure P2.10 as Input \*/

while(1)

{

{

LPC\_GPIO0->FIODIR = 0x00088000; /\* Write data for clock wise direction\*/

delay(50000);

LPC\_GPIO0->FIODIR = 0x00044000; /\* Write data for clock wise direction\*/

delay(50000);

LPC\_GPIO0->FIODIR= 0x00022000; /\* Write data for clock wise direction\*/

delay(50000);

LPC\_GPIO0->FIODIR = 0x00011000; /\* Write data for clock wise direction\*/

delay(50000);

}

}

}

void delay(unsigned int x) /\* Delay Routine \*/

{

for(;x>0;x--);

}