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#include<1pc214x.h>
#define LED0 12
void delay(unsigned int time)
unsigned int i,j;
for(i = 0; i < time; i++)
  for(j = 0; j < 5000; j++);
int main (void)
int i,j;
  PINSELO = 0x00000000; //set the pin function for pins as GPIO
  IODIRO = 0x000FF000; // set the direction of pins as output
while (1)
  for(i = 0; i < 4; i++)
 IOSET0 = 0 \times 0000 \text{FF} 000; // set the port pins to 1
 delay(150);
 IOCLR0 = 0x000FF000; //clear the port pins to 0
 delay(150);
 }
 //LED Rolling
 for(i = 0 ; i < 4 ; i++)
 for(j = 0; j < 8; j++)
  IOSET0 = 1 \ll (LED0 + j); // set the port pins to 1
  delay(50);
 for(j = 7 ; j >= 0; j--)
  IOCLR0 = 1 << (LED0 + j); //clear the port pins to 0</pre>
  delay(50);
 // LED SINGLE Rolling
 for(i = 0 ; i < 5 ; i++)
  for (j = 0; j < 8; j++)
  IOCLR0 = 1 \ll (LED0 + j); //clear the port pins to 0
  delay(50);
  IOSET0 = 0xFF << (LED0 + j); // set the port pins to 1</pre>
  delay(50);
 for(j = 7 ; j >= 0; j--)
 IOCLR0 = 1 << (LED0 + j); //clear the port pins to 0</pre>
 delay(50);
  IOSET0= 0xFF << (LED0 + j); // set the port pins to 1</pre>
  delay(50);
return 0;
```

