

```

/*Running Led PIC16F877A Control By Dip Switch*/

void main()

{

TRISA = 0xFF;

TRISB = 0xFF;

TRISC = 0xFF;

PORTA = 0x00;

PORTB = 0x00;

PORTC = 0x00;

do

{

if(PORTB.F0 == 1)      // Bila PORTB Pin RB0 Di Tekan Maka,

{

TRISC = 0x00;        // Atur PORTC Sebagai Output

PORTB = 0xFF;        // Tekan

Delay_ms(600);        //Tunda

PORTC = 0b00000001;  //Aktifkan PORTC RC0

}

if(PORTB.F0 == 0)      // Bila PORTB Pin RB0 Di Tekan Maka,

{

TRISC = 0x00;        // Atur PORTC Sebagai Output

PORTB = 0xFF;        // Tekan

Delay_ms(600);        //Tunda

PORTC = 0b00000000 ; //Non Aktifkan PORTC0

}

}

```

```
if(PORTB.F1 == 1 )
{
TRISC = 0x00;
PORTB = 0xFF;
Delay_ms(600);
PORTC = 0b00000010;
}
if(PORTB.F1 == 0)
{
TRISC = 0x00;
PORTB = 0xFF;
Delay_ms(600);
PORTC = 0b00000000 ;
}
if(PORTB.F2 == 1 )
{
TRISC = 0x00;
PORTB = 0xFF;
Delay_ms(600);
PORTC = 0b00000100;
}
if(PORTB.F2 == 0)
{
TRISC = 0x00;
PORTB = 0xFF;
Delay_ms(600);
PORTC = 0b00000000 ;
}
```

```
if(PORTB.F3 == 1 )
{
TRISC = 0x00;

PORTB = 0xFF;

Delay_ms(600);

PORTC = 0b00001000;

}

if(PORTB.F3 == 0)
{

TRISC = 0x00;

PORTB = 0xFF;

Delay_ms(600);

PORTC = 0b00000000 ;

}

if(PORTB.F4 == 1 )
{

TRISC = 0x00;

PORTB = 0xFF;

Delay_ms(600);

PORTC = 0b00010000;

}

if(PORTB.F4 == 0)
{

TRISC = 0x00;

PORTB = 0xFF;

Delay_ms(600);

PORTC = 0b00000000 ;

}
```

```
if(PORTB.F5 == 1 )
{
TRISC = 0x00;

PORTB = 0xFF;

Delay_ms(600);

PORTC = 0b00100000;

}

if(PORTB.F5 == 0)
{

TRISC = 0x00;

PORTB = 0xFF;

Delay_ms(600);

PORTC = 0b00000000 ;

}

if(PORTB.F6 == 1 )
{

TRISC = 0x00;

PORTB = 0xFF;

Delay_ms(600);

PORTC = 0b01000000;

}

if(PORTB.F6 == 0)
{

TRISC = 0x00;

PORTB = 0xFF;

Delay_ms(600);

PORTC = 0b00000000 ;

}
```

```
if(PORTB.F7 == 1 )
{
TRISC = 0x00;
PORTB = 0xFF;
Delay_ms(600);
PORTC = 0b10000000;
}
if(PORTB.F7 == 0)
{
TRISC = 0x00;
PORTB = 0xFF;
Delay_ms(600);
PORTC = 0b00000000 ;
}
}
while(1);
}
```