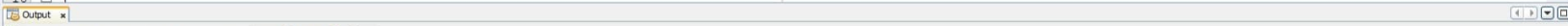


```

1 //Expt.No. 10: Stepper Motor interfacing to PIC18F458 Microcontroller
2 //Includes
3 #include <pic18f458.h>           //Include Controller specific .h
4
5 //#pragma config OSC = HS        //Oscillator Selection
6 #pragma config WDT = OFF         //Disable Watchdog timer
7 #pragma config LVP = OFF         //Disable Low Voltage Programming
8
9
10 void msdelay (unsigned int time) // Definition of delay subroutine
11 {
12     unsigned int i, j;
13     for (i = 0; i < time; i++)    // Loop for time
14         for (j = 0; j < 275; j++); // Calibrated for a 1 ms delay in MPLAB
15 }
16
17 void main()
18 {

```



Project Loading Warning x Internet Connection x new1 (Clean, Build, ...) x

```

:17130: warning: (1311) missing configuration setting for config word 0x300005; using default
:17130: warning: (1311) missing configuration setting for config word 0x300008; using default
:17130: warning: (1311) missing configuration setting for config word 0x300009; using default
:17130: warning: (1311) missing configuration setting for config word 0x30000A; using default
:17130: warning: (1311) missing configuration setting for config word 0x30000B; using default
:17130: warning: (1311) missing configuration setting for config word 0x30000C; using default
:17130: warning: (1311) missing configuration setting for config word 0x30000D; using default

```

Memory Summary:

Space	used	Address	Size	Percentage
Program space	used	A2h (162)	of 4000h bytes	(1.0%)
Data space	used	6h (6)	of 300h bytes	(0.8%)
Configuration bits	used	7h (7)	of 7h words	(100.0%)
ID Location space	used	8h (8)	of 8h bytes	(100.0%)

make[2]: Leaving directory 'C:/Users/avcoe/OneDrive/Desktop/S190108560/new1.X'

make[1]: Leaving directory 'C:/Users/avcoe/OneDrive/Desktop/S190108560/new1.X'

BUILD SUCCESSFUL (total time: 1s)

Loading code from C:/Users/avcoe/OneDrive/Desktop/S190108560/new1.X/dist/default/production/new1.X.production.hex...

Program loaded with pack, PIC18FXXXX_DFP, 1.2.26, Microchip

Loading completed

MPLAB X IDE v5.45 - led_switch : default

File Edit View Navigate Source Refactor Production Debug Team Tools Window Help

default

PC: 0x0 novzdc c : W:0x0 : bank 0

How do I?

Projects x ledc x mxc

Source History

36 PORTD = 0x00; //Initial Value for LED

37 buzzer = 0; //Initial Value for Buzzer

38 relay = 0; //Initial Value for Relay

39

40 while (1) //While loop for repeated operation

41 {

42 if (!(lrbit)) //To check whether SW0 is pressed

43 val = 1; // Latch the status of switch SW0

44 if (!(rlbit)) //To check whether SW1 is pressed

45 val = 2; // Latch the status of switch SW1

46

47 if (val == 1)

48 {

49 buzzer = 1;

50 relay = 1;

51 PORTD = PORTD >>1; //Shift left by 1 bit

52 if (PORTD == 0x00)

53 PORTD = 0x80; // Make the MSB bit equal to 1

54

Output

Internet Connection x led_switch (Build, Load) x

```
make -f nbproject/Makefile-default.mk SUBPROJECTS= .build-conf
make[1]: Entering directory 'C:/Users/avcoe/OneDrive/Desktop/S190108560/led_switch.X'
make -f nbproject/Makefile-default.mk dist/default/production/led_switch.X.production.hex
make[2]: Entering directory 'C:/Users/avcoe/OneDrive/Desktop/S190108560/led_switch.X'
make[2]: 'dist/default/production/led_switch.X.production.hex' is up to date.
make[2]: Leaving directory 'C:/Users/avcoe/OneDrive/Desktop/S190108560/led_switch.X'
make[1]: Leaving directory 'C:/Users/avcoe/OneDrive/Desktop/S190108560/led_switch.X'

BUILD SUCCESSFUL (total time: 105ms)
Loading code from C:/Users/avcoe/OneDrive/Desktop/S190108560/led_switch.X/dist/default/production/led_switch.X.production.hex...
Program loaded with pack, PIC18FXXXX_DFP, 1.2.26, Microchip
Loading completed
```

File Registers Program Memory Program Memory File Registers Program Memory Program Memory File Registers File Registers File Registers Configuration Bits

39:1

