Compiler directives;

#include <C8051\_SDCC.h>

#include <stdio.h>

function protytpes

void Port-Init (void);

void Set-Outputs(void);

declare global variables

sbit SS, LED10, BL0, BL1, BUZZER, PB1, PB2

main function

declare local variables (NONE)

initialization functions.

Sys\_Init();

putchar(' ');

port\_Init ();

Infinite loop

execute Set\_outputs (void) function to read inputs and set sbit outputs.

End infinite loop

End Main function.

Functions

void Port-Init (void) Initialize the input / output device

void Set\_outputs(void)

If slide switch is on

turn on the LED 0

If the push button 1 is pushed

BL is not red

BL is green

If the push button 2 is pushed

BL is red

BL is not green

If both button is pushed

Buzzer is on

If Slide Switch is off

Turn off LED 0