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LITEC
Section 3
Group Member 1 Pseudocode
compiler directives
       #include <c8051_SDCC.h>
       #include <stdio.h>
declare global variables
       sbit PB1, PB2, SS, LED0, BILED0, BILED1, BUZZER
function prototypes
       void Port_Init(void)
       void Set_Outputs(void)
main function
       declare local variables
              (NONE)
       initialization functions
              Sys_Init();
              putchar(' ');
              Port_Init();
       Begin infinite loop
              execute Set_Outputs(void) function to read sbit inputs and set sbit
              outputs
       End infinite loop
End main function
```

```
void Port_Init(void)
```

Set SFRs P2, P3, P2MDOUT & P3MDOUT so P2.0, P3.0 & P3.1 are inputs, P3.3, P3.4, P3.6 & P3.7 are outputs

End Port_Init

void Set_Outputs(void)

If SS is off then

LED0 is on, BILED0 is off, BILED1 is off, BUZZER is off

Print "Slide Switch is OFF"

Else (this means SS is on)

Print "Slide Switch is ON and LED0 is off"

If (PB1 is pushed and PB2 is pushed) then

BILED0 is off, BILED1 is off, BUZZER is on

Print "Pushbutton 1 and 2 ACTIVATED"

Else if (PB1 is pushed and PB2 is released) then

BILED0 is Green, BILED1 is off, BUZZER is off

Print "Pushbutton 1 ACTIVATED"

Else if (PB1 is released and PB2 is pushed) then

BILED0 is off, BILED1 is Red, BUZZER is off

Print "Pushbutton 2 ACTIVATED"

Else BILED0 is off, BILED1 is off, BUZZER is off

End Set_Outputs