

Compiler directives

```
#include <C8051-CPL.h>
```

```
#include <stdio.h>
```

function prototypes

```
void Port-Init(void);
```

```
void Set-Outputs(void);
```

```
int Side-Switch-Status(void);
```

```
int Pushbutton1-Status(void);
```

```
int Pushbutton2-Status(void);
```

```
void Status-Report(void);
```

declare global variables

```
char LED0, BLLED0, BLLED1, BUZZER, SS,  
PB1, PB2.
```

main function

```
declare local variables (NONE)
```

```
initialization functions
```

```
sys-Init();
```

```
putchar(' ');
```

```
Port-Init();
```

```
begin infinite loop
```

```
execute Set-Outputs(void) function to read switch  
input and set switch outputs
```

```
End infinite loop?
```

```
End main function
```

```
Function
```