

```

/*****
* File:          Name of file
* Author:        Bryant Gonzaga
* Created:       Date file was first created
* Modified:      Date file was last modified
*
* Notes:
*   Processor specific, libraries need
*
* Description:
*   A full description of what can be found in this file
*
* How To:
*   If necessary add some instructions on how to use the file.
*****/

```

```

#include "fsm_state_tables.h"

```

```

state present_state;

```

```

void fsm(state ps, key key)
{
    /* Find the index for task and next state */
    int i = 0;
    while ((ps_transitions_ptr[ps][i].key_val != key) &&
           (ps_transitions_ptr[ps][i].key_val != eol)) {
        i++;
    }

    /* Execute Task/Output/Funcntion */
    ps_transitions_ptr[ps][i].task_ptr();

    /* Update Present State to Next State */
    present_state = ps_transitions_ptr[ps][i].next_state;
}

```