```c
//*****************************************************************************
//
// Function Name        : "user_spi_write"
// Date                 : 5/9/20
// Version              : 1.0
// Target MCU           : SAML21J18B
// Target Hardware      ; BME680
// Author               : Brandon Cheung, Ishabul Haque
// DESCRIPTION
// This function is passed 4 parameters, only reg_addr, *reg_data and len are
// used in this definition. The spi_transfer function is first called to pass
// the register address to be written to. spi_transfer is then called a second
// time to write *reg_data to the register. If len > 1, the register address
// to be written to is auto-incremented and reg_data is incremented as well
// to allow for multiple write transactions.
//
// Warnings             : none
// Restrictions         : none
// Algorithms           : none
// References           : none
//re
// Revision History     : Initial version
//
//*****************************************************************************
int8_t user_spi_write (uint8_t dev_id, uint8_t reg_addr, uint8_t *reg_data, uint16_t len) {
    int8_t rslt = 0;
    REG_PORT_OUTCLR1 &= 0x80;        //CS = 0 -> BME680 selected
    spi_transfer(reg_addr);          //send control byte with register address
    while (len--) {
        spi_transfer(*reg_data);
        reg_data++;
    }
    REG_PORT_OUTSET1 |= 0x80;        //CS = 1 -> BME680 unselected
    return rslt;
}
```