```
// Initializes the MCU's RS232 communication at SERCOM4.
// 9600 baud, LSB first, 8 bits, no parity bit, 1 stop bit
// PB09 = Rx, PB08 = Tx
//
// Warnings
                       : none
// Restrictions
                       : none
// Algorithms
                       : none
// References
                      : none
//
// Revision History : Initial version
//
/* initialize UART4 to transmit at 9600 Baud */
extern void UART4 init(void) {
   REG GCLK PCHCTRL22 = 0 \times 000000040;
   REG SERCOM4 USART CTRLA |= 1; /* reset SERCOM4 */
   while (REG SERCOM4 USART SYNCBUSY & 1) {} /* wait for reset to complete */
   REG_SERCOM4_USART_CTRLA = 0x40106004; /* LSB first, async, no parity,
   PAD[1]-Rx, PAD[0]-Tx, BAUD uses fraction, 8x oversampling, internal clock */
   REG SERCOM4 USART CTRLB = 0x00030000; /* enable Tx, Rx, one stop bit, 8 bit */
   REG_SERCOM4_USART_BAUD = 52; /* 1000000 / 8 / 9600 = 13.02 */
   REG SERCOM4 USART CTRLA |= 2; /* enable SERCOM4 */
   while (REG SERCOM4 USART SYNCBUSY & 2) {} /* wait for enable to complete */
   ARRAY PORT PINCFG1[8] |= 1; /* allow pmux to set PB08 pin configuration */
   ARRAY PORT PINCFG1[9] |= 1; /* allow pmux to set PB09 pin configuration */
   ARRAY PORT PMUX1[4] = 0x33; /* PB08 = TxD, PB09 = RxD */
}
//
// Function Name
                       : "UART4 write"
// Date
                       : 4/8/2020
// Version
                       : 1.0
// Target MCU
                       : SAML21J18B
// Target Hardware
                      : none
// Author
                       : Brandon Cheung, Ishabul Haque
// DESCRIPTION
```