```c
/*
 * USART3_echo_usb.c
 *
 * Created: 2/27/2022 11:52:14 PM
 * Author : jason
 */

#include <avr/io.h>
#define F_CPU 4000000
#include <util/delay.h>

#define USART3_BAUD_RATE(BAUD_RATE) ((float)(F_CPU * 64 / (16 *(float)BAUD_RATE)) +
  0.5)  //Calculation of baud rate from data sheet

char receivedCharacter;

//All the header functions
uint8_t USART_sw_read();
void USART_sw_write(char);

int main(void)
{
    PORTB.DIR |= PIN0_bm;  //Set PB0 as output (TX pin) and PB1 in input pin (RX pin)
    USART3.BAUD = (uint16_t)USART3_BAUD_RATE(9600);   //Taken from data sheet to
      calculate baud rate
    USART3.CTRLB |= USART_TXEN_bm | USART_RXEN_bm;   //Enable USART transmitter and
      receiver


    while (1)
    {
        receivedCharacter = (char)USART_sw_read();
        USART_sw_write(receivedCharacter);
    }
}


uint8_t USART_sw_read(){
    //Poll to wait for the character to be received from TeraTerm
    while(!(USART3_STATUS & USART_RXCIF_bm)){}

    return USART3_RXDATAL;
}

void USART_sw_write(char c){
    //Poll until there is data available to be transmitted or echoed after data is
      moved to the transmit shift register
    while(!(USART3_STATUS & USART_DREIF_bm)){}

    USART3_TXDATAL = c; //Write the character to be echoed which will output to the
      TXD pin
}
```