Pseudocode for ISR.c

This module responds to the Transmit and Receive ISR resulting from UARt

Data private to the module:
Index
Initiate Packet_received to false

Function : void __interrupt() myIsr(void)
Set up SysTickIntHandler (to configure framework timers based on Interrupts from PIC??)

If Receive_Flag is high and Receive interrupt is high
        Read the byte received
        If index is 2, i.e length byte is received
                Initialize total length variable to save the length from MSB and LSB length
bytes
        Endif
        Inc index
        If index is equal to total length
                Make index 0 again
                Make packet_ received as true
        Endif

If Transmit_Flag is high and Transmit interrupt is high
        Call Transmit Next() function to initiate the transmit by loading 3rd byte into
transmit register
Endif

Function : uint8_t QueryRegister()
{
    return received byte
}
Function : bool IsPacketReceived(void)
{
  return packet_received
}

Function : void ClearReceiveFlag(void)
{
  Return packet_Received false
}