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This project consist of two microcontrollers ,first one take data by UART and send it to the other one by SPI and and then if this data is "a" then led 1 connected by second microcontroller will be ON ,if it is "b" then led 1 connected by second microcontroller will be OFF and if this data is "c" then led 2 connected by second microcontroller will be ON ,if it is "d" then led 1 connected by second microcontroller will be OFF .

Kit.c in both projects has a driver for everything in microcontroller.

Functions used in this project:

UART_init: function used to initialize UART according to bauderate you want.

UART_send: function used to send character by using UART.

UART_recieve: : function used to recieve character by using UART and return character.

spi_initialize: function used to initialize SPI according to clock you want and whether you want this microcontroller master or slave.

spi_send: function used to send character by using SPI.

spi_receive: function used to recieve character by using UART and return character.

Ledinit: function used to initialize pins if LEDS as output.

led0_on: function used to give pin of LED0 1 .

led1_on: function used to give pin of LED1 1 .

led0_OFF: function used to give pin of LED0 0 .

led1_OFF: function used to give pin of LED1 0 .