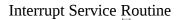
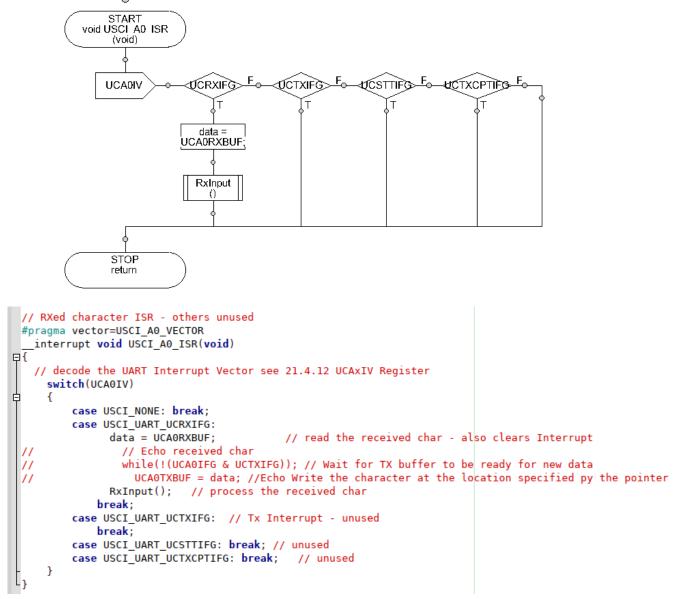
Assignment M9-UART

Program Flow Chart

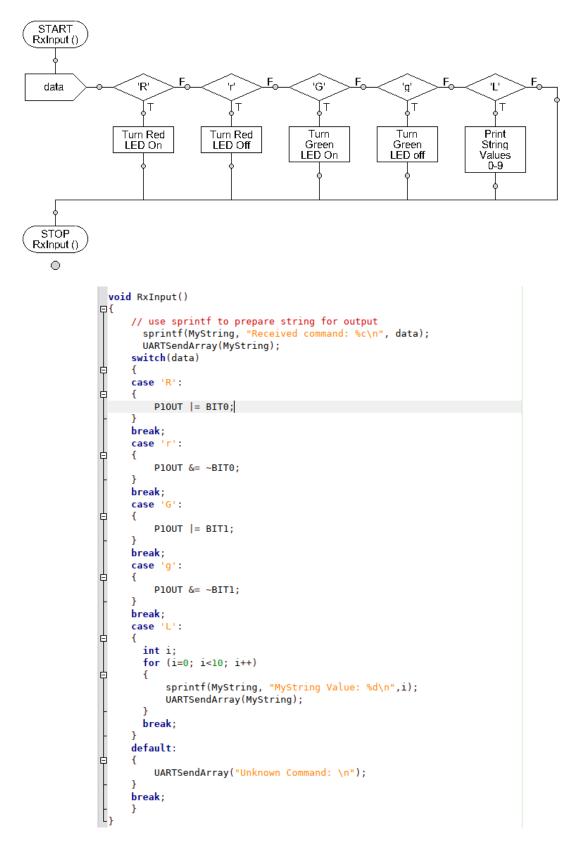


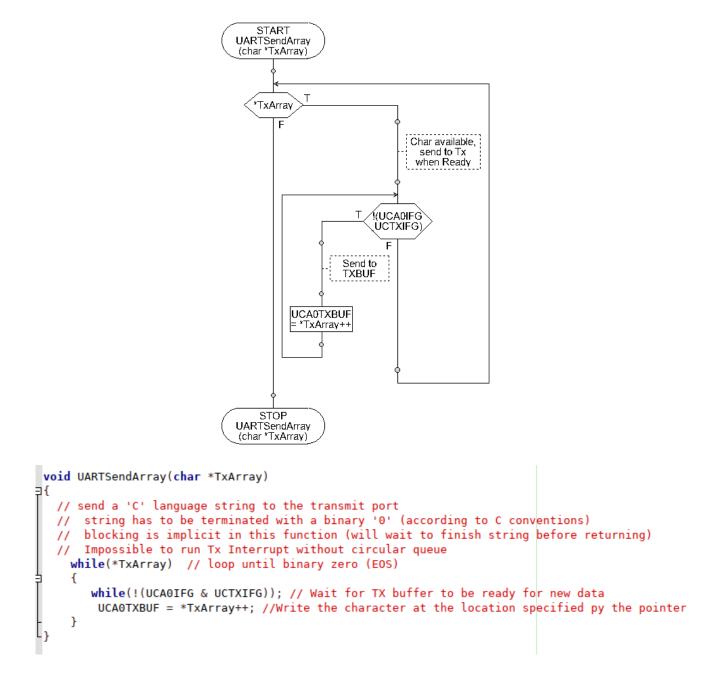
Flow chart for Program Set Up and Low Power Stand-by





RxInput decode received commands





Send Array function – Transmit characters until Binary 0 (End of String) reached

Assignment M9-UART

Document:

Download and run the code

Include listing of code in your document

Show the Red and Green LEDs illuminated with photo

Show Serial Monitor with listing of commands and the 'L' array printed

- 1. Question: Explain how dereferencing the TxArray pointer allows testing the value of each character in the array?
- 2. Question: Where does the TxArray pointer get incremented to the next characters?
- 3. Question: Why is TxArray a pointer instead of a character?

Video:

Turn on the Green and Red LED's in video

Show Serial Monitor listing the 'L' command Array values

Be sure to say your time and date and name