Rimon Sawa

David Pajar

**CPE301 – SPRING 2018**

Midterm 2

**DO NOT REMOVE THIS PAGE DURING SUBMISSION:**

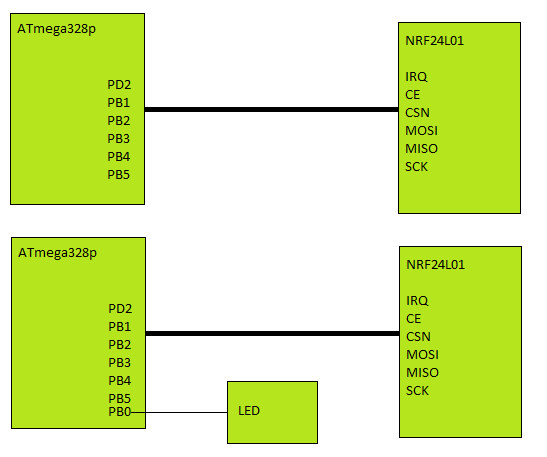
The student understands that all required components should be submitted in complete for grading of this assignment.

|  |  |  |  |
| --- | --- | --- | --- |
| **NO** | **SUBMISSION ITEM** | **COMPLETED (Y/N)** | **MARKS**  **(/MAX)** |
| 1 | COMPONENTS LIST AND CONNECTION BLOCK DIAGRAM w/ PINS |  |  |
| 2. | INITIAL CODE OF TASK 1/A |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 2/B |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 3/C |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 4/D |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 5/E |  |  |
| 4. | SCHEMATICS |  |  |
| 5. | SCREENSHOTS OF EACH TASK OUTPUT |  |  |
| 5. | SCREENSHOT OF EACH DEMO |  |  |
| 6. | VIDEO LINKS OF EACH DEMO |  |  |
| 7. | GOOGLECODE LINK OF THE DA |  |  |
|  |  |  |  |
|  |  |  |  |

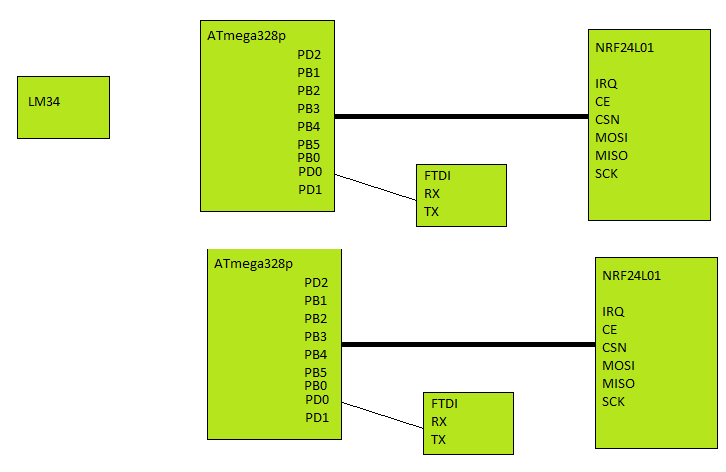
1. **COMPONENTS LIST, CONNECTION BLOCK DIAGRAM w/ PINS**

* ATmega328p Mini x 2
* nRF24L01 x 2
* LM34
* LED.

Task 1:

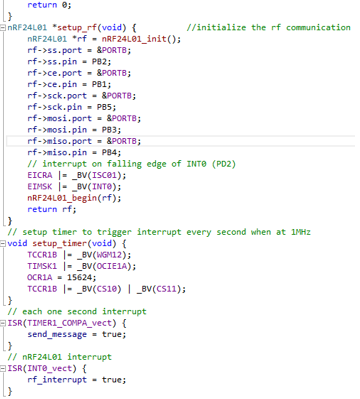
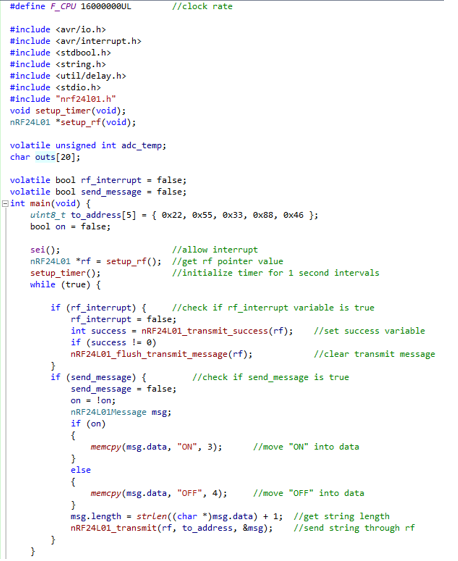


Task 2:

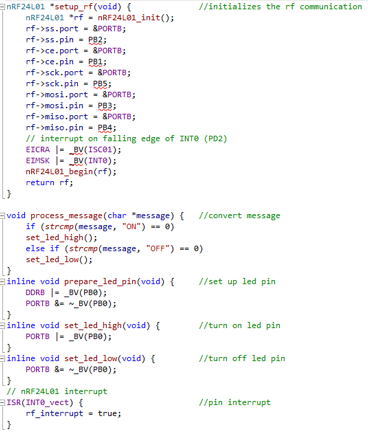
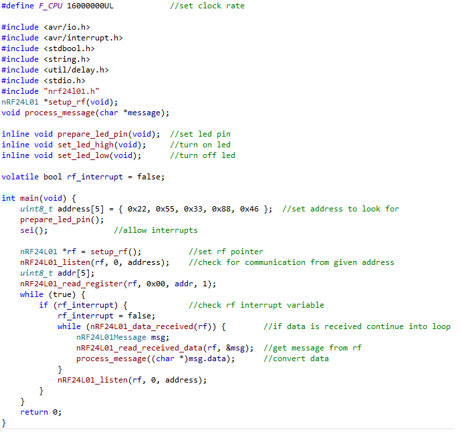


1. **CODE TASK 1**

**Transmit Code**

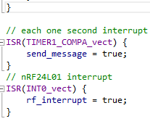
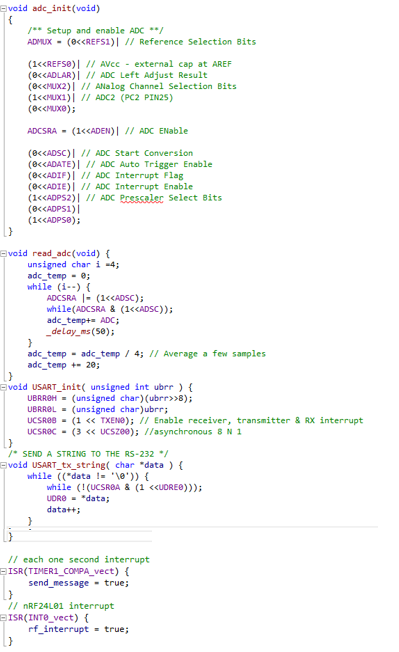
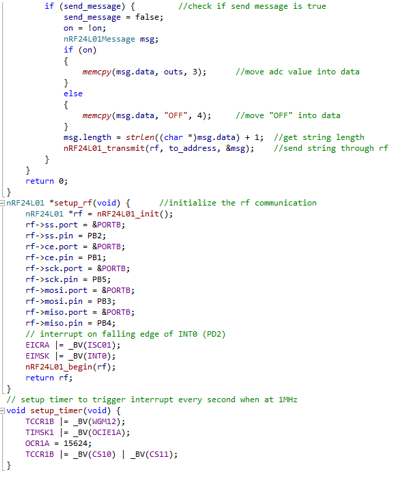
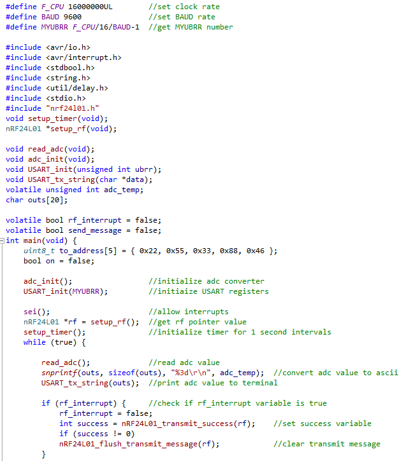


**Receive Code**

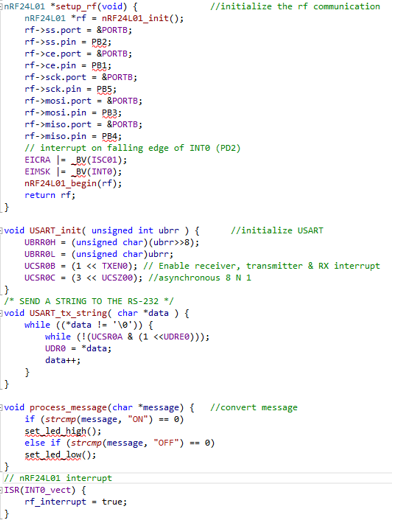
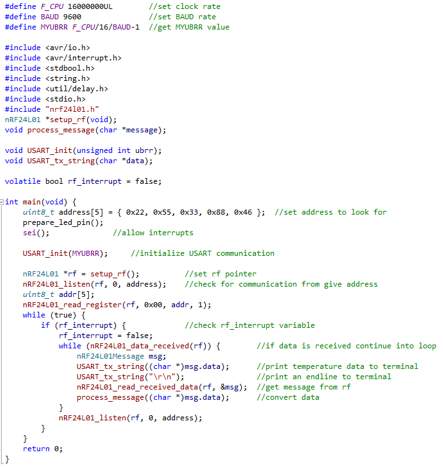


1. **CODE TASK 2**

**Transmit Code**

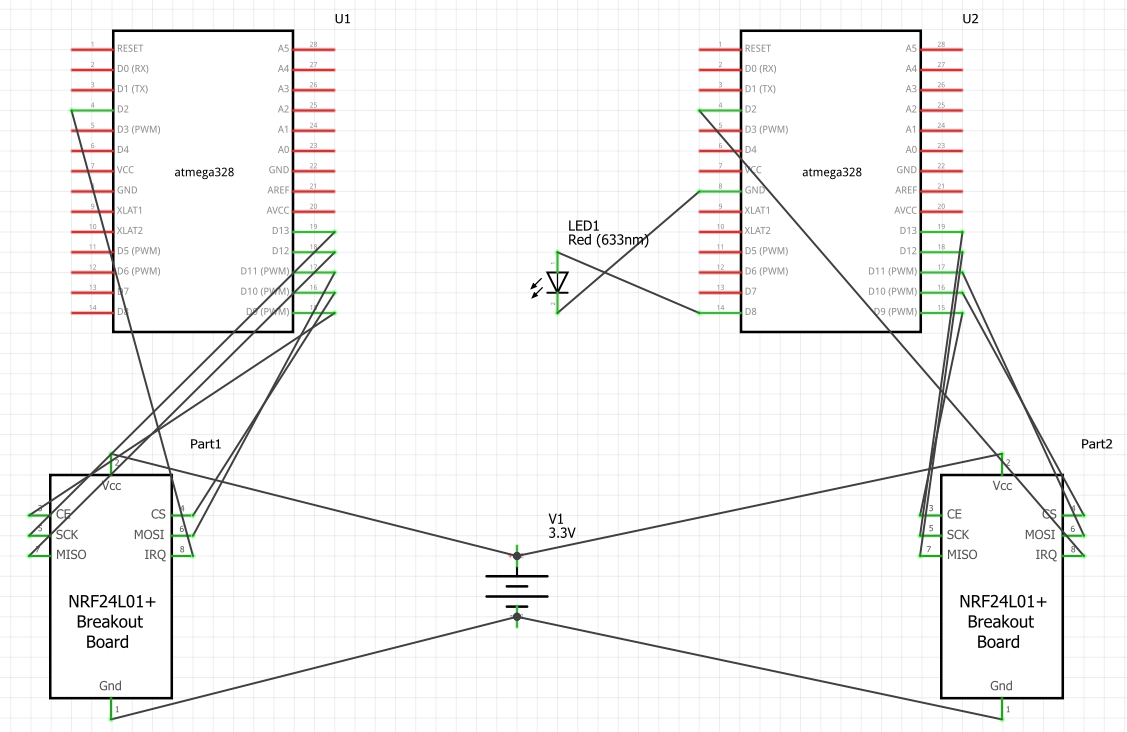


**Receive Code**

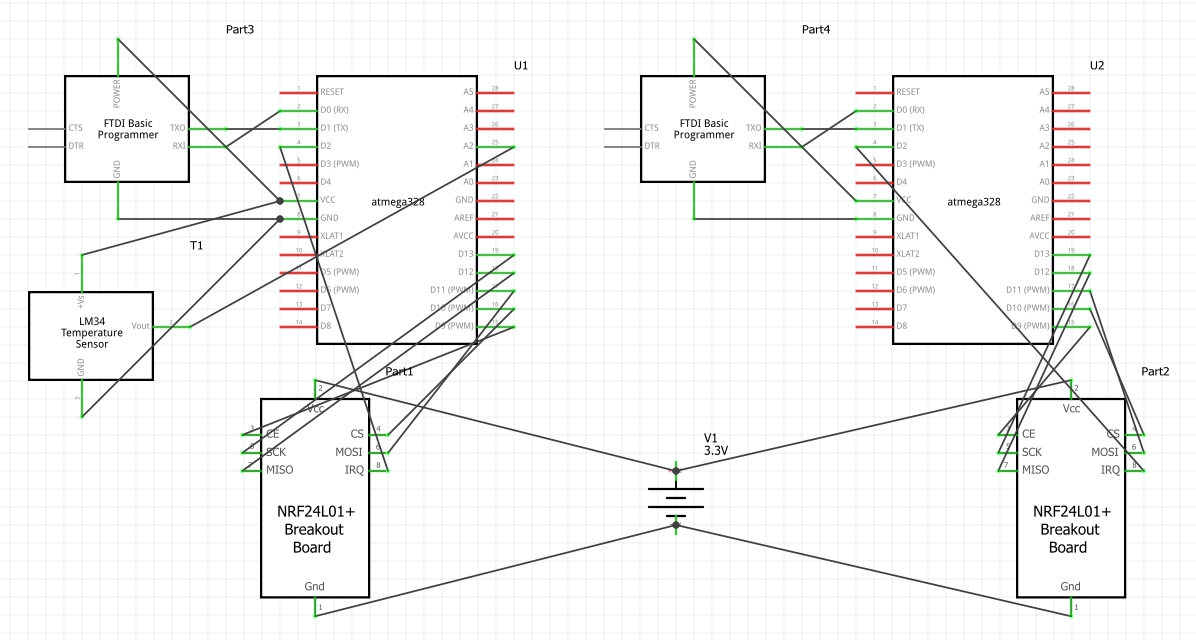


1. **SCHEMATICS**

Task 1:



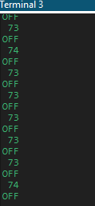
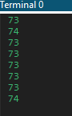
Task 2:



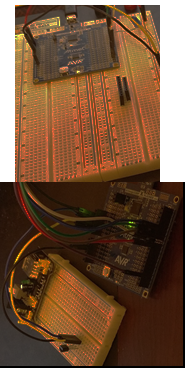
1. **SCREENSHOTS OF EACH TASK OUTPUT**

Transmitted Data:

Received Data:



1. **SCREENSHOT OF EACH DEMO (BOARD SETUP)**



1. **VIDEO LINKS OF EACH DEMO**

N/A

1. **GITHUB LINK OF THIS DA**

<https://github.com/rsawa91/CPE301>

**Student Academic Misconduct Policy**

<http://studentconduct.unlv.edu/misconduct/policy.html>

“*This is my work*”.

Rimon Sawa