1. WAP to receive a string “$gprs1234” and compare it with stored one. If matched transmit one more string “connect”. If not matched transmit other string “incorrect”. Do all these using UART.
2. Implementation of ATM machine for different account numbers using UART.
3. Implementation of RTC (interrupt) for monitoring temperature from every 5 seconds. If temp is above 25 degrees, on LED display “temp high” and turn on the buzzer.
4. WAP for up counter display it on LEDs, LCD and display the number of times it has up counted on 7 segment spi.**(done)**
5. WAP to implement sending and receiving of
6. Infinite characters
7. Finite characters
8. Comparing of strings

Using UART1**.(done)**

1. For every 5 sec monitor how many times there is a rising edge on external interrupt pin.
2. WAP to implement digital timer for sec and min on 7 segment of spi**.(done)**
3. Receive characters from uart and display it on 7 segment of spi.
4. Go through the data sheet of spi max 7219 and try to remove decode mode. And use 7 segment abcdefgh format to display.