Exercises

CH-1:

- Send data on Serial monitor (only once and Continuously).

CH-2:

- Print "HELLO WORLD" with a delay of 2 sec.
- Read a character from serial monitor and send it again on serial monitor.
- Read the string from serial monitor and send it again on serial monitor.

CH-3:

- Toggle the internal and one external LED.
- Display 0 to 9 in a 7-Segment LED.

CH-4:

- Digital I/O
- Digital I/O using Debounce.

CH-5:

- Analog Read.

CH-6:

- Generate a PWM signal with increasing duty cycle and then back to 0.

CH-7:

- Toggle the LED using Interrupt.
- Toggle the LED using Timer based Interrupt.

CH-8:

- UART Send and Receive.

CH-9:

- UART Send and Receive with an extra function (printBuffer) (sender device sending different data on serial monitor also).
- UART Send and Receive on both sides with an extra function (printBuffer) (sender device sending different data on serial monitor also).
- UART Send and Receive on both sides using SoftwareSerial library.

CH-10:

- I2C Mater-Slave (Send and Receive on both sides)

CH-11:

- SPI Mater-Slave (Send and Receive on both sides)