BASIC DESCRIPTION ABOUT PROJECT

initLEDGroup():

- Initializes the LEDGroup and LEDSettings structures using pointers.
- It directly modifies the structure fields via pointer dereferencing (->).

updateLEDGroupSettings():

- Demonstrates **deep pointer usage** by passing pointers to values (groupState, groupBrightness, etc.) to allow changes by reference.
- It updates both the individual LED's settings (singleLED->state, brightness, color) and the group-wide settings (groupState, groupBrightness).

displayLEDGroupStatus():

- Uses pointer dereferencing to access and print the nested structure values (both group-wide and individual LED settings).
- Prints details like the ON/OFF state, brightness, and RGB color in hexadecimal format