




ECEN Academy

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ESP - LED Problems – Set 1

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

Connect 8 LEDs to an 8-bit port

1. **Glow LSB LED only (bit 0)**
2. **Glow MSB LED only (bit 7)**
3. **Glow LSB 2 LEDs only (bit 0 & bit 1)**
4. **Glow MSB 2 LEDs only (bit 7 & bit 6)**
5. **Glow LSB 4 LEDs only (bit 0 to bit 3)**
6. **Glow MSB 4 LEDs only (bit 7 to bit 4)**
7. **Glow all 8 LEDs**
8. **Glow all ODD no LEDs**
9. **Glow all EVEN no LEDs**
10. **Glow LEDs of bit7, bit4, bit3, bit1**