




ECEN Academy

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ESP - LED Problems – Set 3

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 the LEDs in following order
3,7 delay – 2,6 delay – 1,5 delay – 0,4 delay
2. Glow the LEDs in following order
0,4 delay – 1,5 delay – 2,6 delay – 3,7 delay
3. Glow 0 to 7 LEDs with delay and 7 to 0 LEDs with delay
4. Glow 0,2,1,3,4,6,5,7 LEDs with delay
5. Glow the LEDs in following order
0,1 delay – 6,7, delay – 2,3, delay – 4,5, delay
6. Glow the LEDs in following order
4,5 delay – 2,3, delay – 6,7, delay – 0,1, delay

- 7. Glow the LEDs in following order**
0,1,2 delay – 5,6,7, delay – 3,4, delay

- 8. Glow the LEDs in following order**
3,4 delay – 5,6,7, delay – 0,1,2, delay

- 9. Glow the LEDs in following order**
0 then 0,1 then 0,1, 2..... then 0,1,2,3,4,5,6,7
with delay.

- 10. Glow the LEDs in following order**
7 then 7,6 then 7,6, 5..... then 7,6,5,4,3,2,1,0
with delay.