




ECEN Academy

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ESP - Switch Problems – Set 2

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 Connect 8 Switches to an 8-bit port

1. Press 2nd switch first glow 1st LED, delay,
2nd LED, delay, 5th LED,
delay, 6th LED
2. Press 3rd switch first glow 3rd LED, delay,
1st LED, delay, 7th LED,
delay, 4th LED
3. Press 2nd switch glow 0th LED, delay,
1st LED, delay,
5th LED, delay, 6th LED
4. Press 7th switch first glow 0th LED, delay,
1st LED, Delay, 4th LED,
delay, 7th LED

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| 5. Press 3rd switch | first glow 7th LED, delay,
6th LED, delay, 3rd LED,
delay,2nd LED |
| 6. Press 2nd switch | first glow 3rd LED, delay,
5th LED, delay, 7th LED,
delay,6th LED |
| 7. Press 7th switch | first glow 5th LED, delay,
3rd LED, delay, 0th LED,
delay,1st LED |
| 8. Press 1st switch &
Press 7th switch
Together | Glow 5th LED for 30 seconds |
| 9. Press 1st switch &
Press 4th switch &
Press 7th switch &
Press 9h switch

One by One | Glow 8th LED for 10 seconds |
| 10. Press 1st switch &
Press 4th switch &
Press 7th switch &
Press 9th switch
One by One | Glow 5th LED |
| Press 4th switch &
Press 7th switch &
Press 9th switch &
Press 8th switch &
One by One | OFF 5th LED |