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ESP – 7 Segment 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 a Single 7-Segment Display to an 8-bit port Connect 8 Switches to an 8-bit port

- 01 Press any switch & display that number.
Ex: 1 -> 1, 2 -> 2, ... 8 -> 8.
- 02 Press any switch & display the reverse order
Ex: 1 -> 8, 2 -> 7, 8 -> 1
- 03 Press any switch & Display should start from that number till nine and restart from that number till 9. Continuous loop.
- 04 Press switch 7 & display from 0 to 9 and 9 to 0 one time.
- 05 Display A – F in a loop



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- 06** Initially display 0.
When switch 1 is pressed every time increment by 1
- 07** Initially display 9.
When switch 2 is pressed every time decrement by 1
- 08** Initially display 0
When switch 1 is pressed start displaying 0 to 9
Continuously. When switch 2 is pressed stop display.
- 09** Initially display 9
When switch 1 is pressed start displaying 9 to 0
Continuously. When Switch 2 is pressed stop display.
- 10** Get a 4 digit number from user (Press the switch
Sequentially (Example 1256) Add the sum of
Them the sum is more than 1 digit then add
them again and show the sum on display.