

Bitwise Operators - Assignment Questions

1. check number is even or odd
2. check number is divisible by 2
3. check number is divisible by 4
4. find upper divisible by 4 for given number
5. find lower divisible by 4 for given number
6. swap two number
7. print collatz conjecture series for given number
8. print binary of given number
9. check nth bit of register
10. set nth bit of register
11. clear nth bit of register
12. toggle nth bit of register
13. set bits 12 to 15 of register
14. clear bits 17 to 20 of register
15. read value from bit 19 to 24 of register
16. write value on bit 8 to 15 of register
17. wait while bit 4 of register is 0
18. wait while bit 4 of register is 1
19. check even or odd parity in given number
20. swap mth and nth bit of a number