Assignment On Bitwise Operator

1. Write a program to perform the bitwise AND operation between two integers. The program Accept input two integer values, apply the bitwise AND operator, and display the result.

2.Write a program to perform the bitwise OR operation between two integers. The program Accept input two integers, apply the bitwise OR operator, and display the result.

3.Write a program to perform the bitwise NOT operation on a single integer.

4.The program Accept input an integer, apply the bitwise NOT operator, and display the result.

5.Write a program to perform the bitwise XOR operation between two integers. The program Accept input two integers, apply the bitwise XOR operator, and display the result.

6.Write a program to perform the bitwise left shift operation on an integer. The program Accept input an integer and the number of positions to shift, apply the left shift operator, and display the result.

7.Write a program to perform the bitwise right shift operation on an integer. The program Accept input an integer and the number of positions to shift, apply the right shift operator, and display the result.

8.Write a program which checks whether 15th bit is On or OFF.

9.Write a program which checks whether 5th & 18th bit is On or OFF.

3. Write a program which checks whether 7th & 15th & 21st , 28th bit is On or OFF.

4. Write a program which checks whether 7th & 8th & 9th bit is On or OFF.

5. Write a program which checks whether first and last bit is On or OFF. First bit means bit number 1 and last bit means bit number 32.

6.Write a program which accept one number from user and off 7th bit of that number if it is on. Return modified number.

7.Write a program which accept one number from user and off 7th and 10th bit of that number. Return modified number.

8. Write a program which accept one number from user and toggle 7th bit of that number. Return modified number.

9. Write a program which accept one number from user and toggle 7th and 10th bit of that number. Return modified number.

10. Write a program which accept one number from user and on its first 4 bits. Return modified number.

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11.Write a program which accept one number and position from user and check whether bit at that position is on or off. If bit is one return TURE otherwise return FALSE.

12.Write a program which accept one number and position from user and off that bit. Return modified number.

13. Write a program which accept one number and position from user and on that bit. Return modified number.

14. Write a program which accept one number and position from user and toggle that bit. Return modified number.

15. Write a program which accept one number from user and toggle contents of first and last nibble of the number. Return modified number. (Nibble is a group of four bits)

16.Write a program which accept one number from user and count number of ON (1) bits in it without using % and / operator.

17. Write a program which accept two numbers from user and display position of common ON bits from that two numbers.

18. Write a program which accept one number from user and check whether 9th or 12th bit is on or off.

19. Write a program which accept one number, two positions from user and check whether bit at first or bit at second position is ON or OFF.

20. Write a program which accept one number from user and range of positions from user. Toggle all bits from that range.