Refresh Your Logical Part

1. Write a program to print 'Welcome to Java'.
2. Write a program to display two numbers received as command-line arguments.
3. Read two numbers and display the output in the form of

   'Sum of 2 and 3 is 5'

4. Interchanging the **values of 2 variables in three logics**
5. Write a Java program to demonstrate Bitwise logical operators, left shift, and right shift operators.
6. Find the **maximum of 3 numbers using 3 different logics.**
7. Read 3 numbers from the keyboard. Find the minimum using a single statement.
8. Find the difference of two given numbers using a while loop
9. Display from m to n using a single while loop.
10. Write a Java program to check whether a number is prime or not.
11. Find the sum of 1+1+2+1+2+3+……..+1+2+3+……..+n using a single while loop.
12. Find the sum of 1+2/2!+3/3!+4/4!+.....+n/n! Using a single for loop.
13. **Keep a secret number between 20 and 30 in your program. Ask the user to predict a number between 20 and 30. Use a do-while loop until the user predicts your secret number and displays the count of attempts.**
14. Search for a given element in an array.
15. Write a Java program to find the second smallest element in an array
16. Sort elements in an array in ascending order.
17. Write a program to print

    1 2 3 | 6

    2 1 1 |4

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    3 3 4

18. Write a Java program to multiply two matrices.
19. Write a Java program to find the transpose of a matrix.
20. Write a Java program to find the roots of a quadratic equation.