

### 30 Java Basics Practice Questions (Loop-Focused)

1. Print 'Hello World' 10 times using a for loop.
2. Print numbers from 1 to 100 using while loop.
3. Print even numbers between 1 to 100 using for loop.
4. Print odd numbers between 1 to 100 using do-while loop.
5. Calculate sum of first n natural numbers using a loop.
6. Calculate factorial of a number using for loop.
7. Print multiplication table of a number using loop.
8. Reverse a number using while loop.
9. Check if a number is prime using a loop.
10. Find the sum of digits of a number using loop.
11. Count the number of digits in a number using loop.
12. Generate Fibonacci series up to n terms using loop.
13. Find the GCD of two numbers using loop.
14. Find the LCM of two numbers using loop logic.
15. Print all prime numbers between 1 and 100 using loop.

16. Print a pattern:

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17. Print a pattern:

1

12

123

1234

12345

18. Print a pyramid pattern using nested loops.

19. Print inverted triangle pattern using nested loops.

20. Check if a string is a palindrome using loop.

21. Reverse a string using loop.

22. Count vowels and consonants in a string using loop.

23. Find frequency of each character in a string using loop and array.

24. Print ASCII value of all characters using loop.

25. Print the following pattern using loop:

1

22

333

4444

55555

26. Convert lowercase string to uppercase using loop.

27. Swap two numbers using a temporary variable.

28. Swap two numbers without using a temporary variable.

29. Display ASCII values of characters from A to Z using loop.

30. Find the largest and smallest number in an array using loop.