C programming Practical questions

- 1. Write a program to print all prime numbers between two given numbers.
- Write a program to find the sum of digits of a number until the sum becomes a single digit.
- 3. Write a program to print a pyramid pattern of numbers for a given n.
- 4. Write a program to print the prime factors of a given number.
- 5. Write a program to find the missing number in an array of integers from 1 to n
- 6. Write a program to generate the first n Fibonacci numbers.
- 7. Write a program to reverse a given integer.
- 8. Write a program to find the largest and smallest elements in an array.
- 9. Write a program to find the transpose of a given matrix.
- 10. Write a function to check whether a string is a palindrome.
- 11. Write a program to swap two numbers using call-by-value and call-by-reference
- 12. Write a program to find the sum of all elements in an array using pointers.
- 13. Write a program to reverse a string using pointers.
- 14. Write a program to find the length of the longest increasing subsequence in an array.
- 15. Write a program to implement basic string compression (e.g., "aaabbcc" becomes "a3b2c2").
- 16. Write a recursive function to calculate the GCD of two numbers.
- 17. Write a program to check if a number is a power of 2 using bitwise operators.
- 18. Write a program to reverse the bits of a given integer.
- 19. Write a program to count the number of vowels and consonants in a given string.
- 20. Write a program to calculate the factorial of a number using both iterative and recursive methods.
- 21. Write a program to read from a file and display its contents on the screen.
- 22. Write a program to write student information (name, roll number, marks) to a file and read it back.
- 23. Write a program to count the number of words and characters in a file.
- 24. Write a program to copy the contents of one file to another.
- 25. Write a program to append text to an existing file.