

## UNIT 1

# Assignment 1-C



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**Note: Attempt any two questions [20 Marks]**

- Q1.** Implement a C program that reads a text file containing integers separated by spaces. Use the file input/output functions to read the integers from the file, calculate their sum, and display the result on the console.
- Q2.** Explore the use of formatted input/output functions in C programming by creating a program that reads a series of student records (name, roll number, marks) from the user and displays them neatly formatted using printf().
- Q3.** Write a C program to implement a simple text-based game using a combination of control statements. The game should involve a player navigating through a series of rooms with different challenges (e.g., puzzles, enemies) using control flow constructs like if-else and loops.
- Q4.** Create a C program that generates a Fibonacci sequence up to a user-specified term using a while loop. Allow the user to input the number of terms in the sequence and display the generated sequence.