

## C Programming Questions

- Q1. Define C language. Write a short note on its history and importance in computer programming.
- Q2. List and explain at least five application areas of the C programming language with real-world examples.
- Q3. Write down the features of C that make it widely used.
- Q4. Explain the general structure of a C program with an example program.
- Q5. Draw a flow diagram to show the execution flow of a program from writing code to getting output.
- Q6. Write a C program to read a single character from the user and display it back.
- Q7. Explain the difference between:
- a) `scanf()` and `printf()`
  - b) `stdio.h` and `conio.h`
- Q8. Write a program to take a decimal number as input and convert it to an integer number.
- Q9. Define C tokens with examples. Explain keywords and identifiers separately.
- Q10. Write a program that declares variables of all basic data types in C and prints their values.
- Q11. Write an algorithm to swap two numbers.