**Module-2**

1. Write an essay covering the history and evolution of C programming. Explainits importance and why it is still used today.
2. o Describe the steps to install a C compiler (e.g., GCC) and set up an IntegratedDevelopment Environment (IDE) like DevC++, VS Code, or CodeBlocks.
3. Explain the basic structure of a C program, including headers, main function, comments, data types, and variables. Provide examples.
4. Write notes explaining each type of operator in C: arithmetic, relational, logical, assignment, increment/decrement, bitwise, and conditional operators.
5. Explain decision-making statements in C (if, else, nested if-else, switch). Provide examples of each.
6. Compare and contrast while loops, for loops, and do-while loops. Explainthescenarios in which each loop is most appropriate.
7. Explain the use of break, continue, and goto statements in C. Provide examples of each.
8. What are functions in C? Explain function declaration, definition, and howtocall a function. Provide examples.
9. Explain the concept of arrays in C. Differentiate between one-dimensional andmulti-dimensional arrays with examples.
10. Explain what pointers are in C and how they are declared and initialized. Whyare pointers important in C?
11. Explain string handling functions like strlen(), strcpy(), strcat(), strcmp(), and strchr(). Provide examples of when these functions are useful
12. Explain the concept of structures in C. Describe how to declare, initialize, andaccess structure members.
13. Explain the importance of file handling in C. Discuss how to performfileoperations like opening, closing, reading, and writing files.