1. Write a C program to implement strcpy() function.
2. Write a C program to implement strcat() function.
3. Input a string and write a C program to find if another string is present in it. If present, print the starting and ending position where the sub-string exists.
4. Write a program to recognize constants.
5. Write a C program to identify whether a given line is a comment or not.
6. Write a C program to simulate lexical analyzer for validating operators(only binary).
7. Design a lexical analyzer for given language and the lexical analyzer should ignore redundant spaces, tabs and new lines. It should also ignore comments. Although the syntax specification states that identifiers can be arbitrarily long, you may restrict the length to some reasonable value. Simulate the same in C language.
8. Write a C program which can recognize whether an email address is valid or not.
9. Write a C program that will take a C string as input and output a string which will have \n and \b replaced by corresponding spaces.
10. Suppose there is an expression c = a + b. Create a binary tree corresponding to this expression (expression tree).