

Subject: Programming Language and Compiler Design

Laboratory Assignment

Q1. Write a lex program to identify keywords and identifiers in a given C program.

Handle following situations

- (i) Keyword is substring of the Identifiers e.g. <int, print>
- (ii) Identifiers are substring of Keyword e.g. <in, int>

Q2. Write a LEX program to identify various operators (arithmetic, relational, logical, bitwise etc) in a given C program.

Handle following situations

operator is substring of other operator:

	+, ++;	unary -, binary -, --(post), ++(pre);
	*(declare pointer), ** (pointer to pointer), *(multiply);	
	&(bitwise), &&(and), &(l-value),	