Programming Language and Compiler Design
Lab Assignment Week 6

Q1. Write specifitation to handle the case of languages in which keywords are not reserve words, i.e. keywords can be used as identifiers also. Implement your specifications through LEX and verify for a given program text.
For Example

int int=8;
First int is keyword
Second int is identifier.

if(x==4) then if (y==0) then if=78 else if=56
first and second occurence of if is keywords
then is keywords
else is keywords
Third and Fourth occurence is identifier

Q2. Write specifitation to handle the case to ignore identifiers, keywords, numbers etc from string litrals. Implement your specifications through LEX and verify for a given program text.
For Example

printf("int is %d value of float is %f",i,j);
int is not keyword, not identifier
is Not identifier
i is identifier
j is identifier.

Q3. Write specifitation to identify unary and binary operator, operators subset of other operators. Implement your specifications through LEX and verify for a given program text.
For Example

x=-a-b;	- unary second - is binary
x=a++ + ++b;	++ unary + binary
x=a+++++b;	+++++ error