# Assignment No 1

CSE-0302 Summer 2021

#### Afrin Sultana

Department of Computer Science and Engineering State University of Bangladesh (SUB) Dhaka, Bangladesh afrinsultana.su@gmail.com

Abstract—Lexical Analysis. This works denotes filtering comments and white space characters from a source and another one works as reads any simple program as source and separates out the valid tokens from the source program.

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Index Terms—The word mostly used in my report.
C,C++,Lexical Analysis.

#### I. INTRODUCTION

In this program we need to remove the comments and white space (extra spaces, tabs and newline characters). And from this we can understand How can a computer remove the comments and white space we can understand about how to work compiler also from this program. Lexical analysis is the first phase of a compiler. It takes the modified source code from language preprocessors that are written in the form of sentences. The lexical analyzer breaks syntaxes into a series of tokens, by removing any whitespace or comments in the source code. The name "compiler" is primarily used for programs that translate source code from a high-level programming language to a lower level language. The main task of lexical analysis is to read input characters in the code and produce tokens

#### II. LITERATURE REVIEW

Context-Sensitive Analysis Keith D. Cooper, Linda Torczon, in Engineering a Compiler (Second Edition), 2012 In this, examined two ways to perform context-sensitive analysis: attribute-grammar formalism and an ad hoc approach. For context-sensitive analysis, unlike scanning and parsing, formalism has not displaced the ad hoc approach. Regular Expressions and Languages Raymond Greenlaw, H. James Hoover, in Fundamentals of the Theory of Computation: Principles and Practice, 1998 It all attention to the lex command. The purpose of lex is to generate lexical analyzers.

#### III. PROPOSED METHODOLOGY

The methodology you work, explain here with code and other items.

## IV. CONCLUSION AND FUTURE WORK

In future, we use frame work and use this for making another big projects.

Fig. 1. Example of a Scanning and Filtering a Source Program .

```
finclude=restio.hb

f
```

Fig. 2. Example of a Lexical Analysis 1.

Fig. 3. Example of a Lexical Analysis 2.

### ACKNOWLEDGMENT

I would like to thank my honourable Khan Md. Hasib Sir for his time, generosity and critical insights into this project.

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