Group 05

Mini Java and C# compiler

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**Project**

Design a Mini package to accept and compile C# and java programs. Both the kinds of programs should be checked for syntax error. Handle the case if the codes of C# and java are mixed; report which code belongs to which language.

**Work Done**

Identification of Java and C# Programs

Syntax error checking of Java programs

Syntax error checking of C# programs

**Features**

It can differentiate between most Java and C# programs.

It can check syntax of a given java and C# program up to a large extent.

**Errors Detected**

All type of keyword errors.

Bracketing errors .

Missing semicolons.

Most types of operator errors.

Syntax of Java and C#

Syntax errors in different control statements:

**Structure of Files**

lex.l - Contains the flex file to tokenize the input JAVA file for syntax error checking.

yacc.y – Contains the yacc grammar which checks syntax errors in the JAVA file.

**Dependencies**

flex – Lexical Analyzer

bison – Parser

gcc – C compiler to compile the built program.