**Syntax Analyzer Code Snippet 1**

*Representing a CFG inside a Syntax Analyzer Program:*

char grammar\_rules[5][10] = {"A->BCBDBE.","B->i.","C->=.","D->+.","E->;."};

**Syntax Analyzer Code Snippet 2**

*Taking the tokens as input and simplifying those tokens:*

cout<< "Enter the input token:";

getline (cin, input\_token);

cout<< "The entered token was:"<<input\_token<<endl;

statement\_index=0;

for(input\_token\_index=0;input\_token\_index<input\_token.length();input\_token\_index++){

if(input\_token[input\_token\_index]=='<'){

statement[statement\_index] = input\_token[input\_token\_index+1];

cout<<statement[statement\_index]<<endl;

statement\_index++;

}

}