using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace GPLexTutorial

{

public enum Tokens

{

characterliteral = 901,

nullliteral=567,

EOF = 264

};

public struct MyValueType

{

public int num;

public string name;

};

public abstract class ScanBase

{

public MyValueType yylval;

public abstract int yylex();

protected virtual bool yywrap() { return true; }

}

class Program

{

static void Main(string[] args)

{

Scanner scanner = new Scanner(Console.OpenStandardInput());

Tokens token;

do

{

token = (Tokens)scanner.yylex();

switch (token)

{

case Tokens.nullliteral:

Console.WriteLine("null literal ({0})", scanner.yylval.name);

break;

case Tokens.characterliteral:

Console.WriteLine("char literal ({0})", scanner.yylval.name);

break;

case Tokens.NUMBER:

Console.WriteLine("NUMBER ({0})", scanner.yylval.num);

break;

case Tokens.IDENT:

Console.WriteLine("IDENT ({0})", scanner.yylval.name);

break;

default:

Console.WriteLine("'{0}'", (char)token);

break;

}

}

while (token != Tokens.EOF);

}

}

}