What is Lexical Analysis?

Lexical analysis is a process used in Compiler Development.

Lexical analysis is a process that converts strings into tokens.

A token has a type and a value.

The part of a software program that performs lexical analysis is called a Lexer.

Example of a Lexer is lex.

For example consider the following C program

int main()

{

int x=50;

}

Following are the tokens in the above program

Type	value
Keyword	int
Identifier	main
Operator	(
Symbol	)
Symbol	{
Keyword	int
Identifier	x
Operator	=
Number	50
Symbol	;
Symbol	}