Lab Antlr

Go to the Anlr download web page

https://www.antlr.org/download.html

and download

Complete ANTLR 4.7.2 Java binaries jar

Start IntelliJ IDEA

go to

File → project structure → modules →use + to add the jar file you have just downloaded.

In ntelliJ create a project

file → project → next → tick complete project from template → next → type a name (also enter a package name e.g. uk.ac.essex)

once project created right click on package name

new → file → type list.g4

past the following code

grammar list;

start : BRA nums CKET;

nums : NUMBER (',' nums)*

    | /* epsilon rule */

    ;

BRA   : '[';

CKET   : ']';

COMMA   : ',';

NUMBER : [0-9]+;

WS: [\t\r\n] + -> skip;

Right click the start → test rule start → on the left window at the bottom type [1, 2, 3] at right widow you should see the parse tree for the list