Project title: Write grammar for an imaginary programming language and generate parse tree using ANTLR (ANother Tool for Language Recognition).

Task1: Install ANTLR plugin in Intelij or PyCharm.

Task2: Write a context free g4 grammar for an imaginary programming language.

Task3: Create a few input files – both syntactically correct and wrong.

Task4: Generate parse tree for the generated input files using the installed plugin.

Task5: Write a report based on what you have done in the project.

Task6: Make a PowerPoint presentation.

Marks distribution:

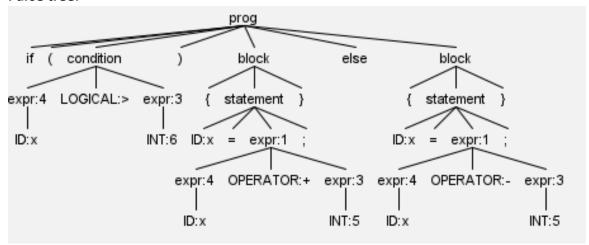
Area	Allotted marks
Grammar writing (more features – more marks)	15
Parse tree generation	5
Report	5
Presentation	5
Total	30

A sample grammar and parse tree:

Sample input:

```
if(x>6){
    x = x+5;
}
else{
    x = x - 5;
}
```

Parse tree:



Another input:

```
if(x<5){
    x = x - 5
  }
  else{
    x = x + 5
```

Parse tree:

