

<https://github.com/lavrric/UniversityProjects/tree/main/FLCD/lab9>

```
@echo off
yacc -d parser.y
lex spec_v2.lxi
gcc lex.yy.c parser.tab.c -o result
.\result ..\test_programs\test.txt
```

ON test.txt:

```
x = 669;
y = 42;
z = 36;

if(x >= y){
    out(x);
}
elif(y >= x && y >= z){
    out(y);
}
elif(y >= x && y >= z){
    out(y);
}
PRINTS:
```

```
const -> INT_CONST
term -> const
exp -> term
assignStmt -> ID = exp;
stmt -> assignStmt
stmtList -> stmt
const -> INT_CONST
term -> const
exp -> term
assignStmt -> ID = exp;
stmt -> assignStmt
stmtList -> stmtList stmt
const -> INT_CONST
term -> const
exp -> term
assignStmt -> ID = exp;
stmt -> assignStmt
stmtList -> stmtList stmt
term -> ID
exp -> term
```

term -> ID
exp -> exp rel_op term
term -> ID
exp -> exp rel_op term
term -> ID
exp -> exp rel_op term
outStmt -> ...
stmt -> outStmt
stmtList -> stmt
cmpdStmt -> { ... }
stmt -> cmpdStmt
term -> ID
exp -> term
term -> ID
exp -> exp rel_op term
term -> ID
exp -> exp rel_op term
term -> ID
exp -> exp rel_op term
outStmt -> ...
stmt -> outStmt
stmtList -> stmt
cmpdStmt -> { ... }
stmt -> cmpdStmt
term -> ID
exp -> term
term -> ID
exp -> exp rel_op term
term -> ID
exp -> exp rel_op term
term -> ID
exp -> exp rel_op term
outStmt -> ...
stmt -> outStmt
stmtList -> stmt
cmpdStmt -> { ... }
stmt -> cmpdStmt
ifTail -> elif ...
ifTail -> elif ... + ifTail
ifStmt -> if .. ifTail
stmt -> ifStmt
stmtList -> stmtList stmt
program -> stmtList
OK