COMPILER DESIGN ASSIGNMENT – 2

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SECTION: F

Output screenshots:

AST:

```
pes2ug21cs338_nikitha@DESKTOP-M2F1J3K:~/cd-asignment2/AST$ lex lexer.1
pes2ug21cs338_nikitha@DESKTOP-M2F1J3K:~/cd-asignment2/AST$ yacc -d parser.y
pes2ug21cs338_nikitha@DESKTOP-M2F1J3K:~/cd-asignment2/AST$ gcc -g y.tab.c lex.yy.c -l1
pes2ug21cs338_nikitha@DESKTOP-M2F1J3K:~/cd-asignment2/AST$ ./a.out < test_input_1.c
Preorder:
a b > a a 1 + = b b 1 - = seq if

Valid syntax
pes2ug21cs338_nikitha@DESKTOP-M2F1J3K:~/cd-asignment2/AST$ ./a.out < test_input_2.c
Preorder:
a b > a a 1 + = b b 1 - = seq a a 1 - = b b 1 - = seq if-else

Valid syntax
pes2ug21cs338_nikitha@DESKTOP-M2F1J3K:~/cd-asignment2/AST$ ./a.out < test_input_3.c
Preorder:
a b > a a 1 + = b b 1 - = seq a a 1 - = b b 1 - = b 0 < b b 1 + = b 0 = if-else seq seq if-else

Valid syntax
pes2ug21cs338_nikitha@DESKTOP-M2F1J3K:~/cd-asignment2/AST$ __</pre>
```

ICG:

ор	arg1	arg2	result	
>	a	b	t1	
if	t1		L1	ĺ
goto			L2	
Label			L1	
	a	1	t2	
	t2		a	
	l b	1	t3	ļ
	t3		l b	
goto			L3	
Label			L2	
	a	1	t4	
	t4		a	. !
	b	1	t5	. !
-	t5		b	. !
Label			L3	