Question 5

Convert the BNF rules into YACC form and write code to generate abstract syntax tree

Input:

```
main()
    int a, b, c;
    if (a < b)
       a = a + b;
   while (a < b)
       a = a + b;
   if (a <= b)
        c = a + b;
```

Output:

```
C:\Users\malav\OneDrive\Documents\CDLab\Cycle2\Pg6>a input.c
               Pos Operator Arg1 Arg2 Result
                      < a b t0 == t0 FALSE 5
               0
                                          t0
               2
                                          t1
                             а
                            t1
                                          a
                    GOTO
                                          t2
                          t2
t4
                                    FALSE 10
                                   FALSE 15
               11
                                          t5
               12
                             а
               13
                                          17
               14
                    GOTO
               15
                                         t6
               16
                             t6
```