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cycle 2 : Expt 6

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Aim: Write a YACC program to check the syntax of FOR statement in C.

Roll No : 31

Algorithm :-

step 1 : Start

step 2 : In YACC file, include header files and under transaction rules includes rules for: start of statement, for statement, loop expression, block code, statement and conditions.

step 3 : yyerror() prints error, if encountered.

step 4 : Main function is passed as command line argument and file pointer points to argv[1]

step 5 : each time if not found, print so. Else, go to step 5.

step 6 : Parse next statement in input file.

step 7 : continue steps 2-5 till EOF.

step 8 : Stop.

Result:

Output was obtained successfully.

## Question 3

Write a YACC program to check the syntax of FOR statement in C

**Input:**

```
1  for (i=0; i < 100 ; i++) {  
2      temp = i + 10;  
3      a = b + c;  
4  }
```

**Output :**

```
C:\Users\malav\OneDrive\Documents\CDLab\Cycle2\Pg7>a input.c  
Checking the validity of for loop...  
Input Accepted!
```