

```
[Running] cd "c:\Users\karan\Documents\UTD Semesters\UTD fall 2020\CS 4337\Assignment\Assignment 2\Parser example- for loop\" && g++ B
Next token is: 34, Next lexeme is do
enter <forLoop>
Next token is: 36, Next lexeme is {
Next token is: 40, Next lexeme is if
Enter <whilecondtrue>
Enter <ifstatement>
Next token is: 25, Next lexeme is (
Next token is: 11, Next lexeme is number
enter <expr>
Enter <expr>
Enter <term>
Enter <factor>
Next token is: 38, Next lexeme is %
Exit <factor>
Next token is: 10, Next lexeme is 2
Enter <factor>
Next token is: 31, Next lexeme is ==
Exit <factor>
Exit <term>
Exit <expr>
Next token is: 10, Next lexeme is 0
Enter <expr>
Enter <term>
Enter <factor>
Next token is: 26, Next lexeme is )
Exit <factor>
Exit <term>
Exit <expr>
Exit <cond>
Next token is: 11, Next lexeme is even
enter <assign>
Next token is: 31, Next lexeme is ++
Next token is: 35, Next lexeme is ;
Next token is: 11, Next lexeme is number
exit <assign>
Exit <ifstatement>
enter <assign>
Next token is: 20, Next lexeme is =
Next token is: 11, Next lexeme is number
Enter <expr>
Enter <term>
Enter <factor>
Next token is: 21, Next lexeme is +
Exit <factor>
Exit <term>
Next token is: 10, Next lexeme is 1
Enter <term>
```

There is some overlap It starts again after the highlighted Enter <Term>

```
Exit <factor>
Exit <term>
Next token is: 10, Next lexeme is 1
Enter <term>
Enter <factor>
Next token is: 35, Next lexeme is ;
Exit <factor>
Exit <term>
Exit <expr>
Next token is: 37, Next lexeme is }
exit <assign>
Exit <whilecondtrue>
Next token is: 39, Next lexeme is while
Next token is: 25, Next lexeme is (
Next token is: 11, Next lexeme is number
enter <expr>
Enter <expr>
Enter <term>
Enter <factor>
Next token is: 29, Next lexeme is <=
Exit <factor>
Exit <term>
Exit <expr>
Next token is: 10, Next lexeme is 10
Enter <expr>
Enter <term>
Enter <factor>
Next token is: 26, Next lexeme is )
Exit <factor>
Exit <term>
Exit <expr>
Exit <cond>
Next token is: -1, Next lexeme is EOF
exit <forLoop>

[Done] exited with code=0 in 0.689 seconds
```