Coding Style

Background

Indention in a traditional article is to add empty line or proper whitespace between words or paragraph to make the content easier to read or even more well-organized. As for 'indent' of the code usually refers to add proper number of '\t' (i.e. tab character) at the beginning of the code. The C-style-indention whose '\t' numbers at the beginning of each lines are mainly controlled by pairs of brackets, i.e. '{' and '}' characters, is widely used in many famous languages like C/C++, Java.

Description

Write a Lex program to deal with code indentation of coding style mentioned above.

Hint

Maintain a counter to count the number of padding tabs in the beginning of the line. Decrease/Increase the counter at the right time.

Sample Input

```
int main(){
for(int i = 0; i < 10 ; i ++) // need 1 tab
{ // need 1 tab
for(int j = 0 ; j <= i ; j ++) // need 2 tab
            printf("*"); // need 2 tab
printf("\n"); // need 2 tab
} // need 1 tab
} // need 0 tab
```

Sample Output

```
int main(){
    for(int i = 0; i < 10 ; i ++) // need 1 tab
    { // need 1 tab
        for(int j = 0 ; j <= i ; j ++) // need 2 tab
        printf("*"); // need 2 tab
        printf("\n"); // need 2 tab
    } // need 1 tab
} // need 0 tab
```