```cpp
#include<iostream>
#include<fstream>
using namespace std;
int main(){
    ifstream fin;
    fin.open("my-input-file.txt", ios::in);
    char my_character;
    int number_of_lines=0;
    while(!fin.eof()){
        fin.get(my_character);
        cout<<my_character;
        if(my_character == '\n'){
            ++number_of_lines;
        }
    }
    cout<<"number of lines: "<<number_of_lines;
}
```