#include <stdio.h>

#include <conio.h>

void broi\_skobi();

int broi\_ident();

FILE \*fin;

main()

{

int m=0,a=0;

char ch;

char finname[500];

do

{

printf ("1. Zadavane na mestopolojenie na faila\n");

printf ("2. Namirane na broq na blokoete v programata\n");

printf ("3. Namirane na broq na identifikatorite v programata\n");

printf ("Q. Quit \n");

printf ("Make your choise: ");

fflush(stdin);

ch=getche();

switch(ch)

{

case '1':

a=1;

printf("\nEnter input filelocation: ");

scanf("%s",&finname);

fin=fopen(finname,"r");

break;

case '2':

if(a)

{

if(fin==NULL)

{

printf("\nFILE EORROR\n");

break;

}

else

{

m=1;

}

broi\_skobi();

break;

}

else

{

printf("\n\nZapo4nete ot opciq 1!!!\n\n");

break;

}

case '3':

if(a)

{

if(fin==NULL)

{

printf("\nFILE EORROR\n");

break;

}

else

{

m=1;

}

printf("\n\nBroqt na identifikatorite e %d\n\n",broi\_ident());

break;

}

else

{

printf("\n\nZapo4nete ot opciq 1!!!\n\n");

break;

}

}

if ((ch!='1')&&(ch!='2')&&(ch!='3')&&(ch!='Q')&&(ch!='q'))

{

printf("\n\nWrong option.Try again!\n\n");

}

}while ((ch!='Q')&&(ch!='q'));

if(m)

{

fclose(fin);

}

}

void broi\_skobi()

{

int ch, c1=0, c2=0, f=0;

int open=0, close=0;

rewind(fin);

while((ch=fgetc(fin))!=EOF)

{

if(ch=='{')

{

open++;

}

if(ch=='}')

{

close++;

}

if(ch=='\"') // kavi4ka

{

for(;;)

{

ch=fgetc(fin);

if(ch=='\\')

{

ch=fgetc(fin);

if(ch=='\"') continue;

}

if(ch=='\"') break;

if(ch=='\n') break;

if(ch==EOF)

{

break;

}

}

}

if((c1==1)&&(ch=='\*'))

{

for(;;)

{

ch=fgetc(fin);

if(ch=='\*')

{

f=1;

continue;

}

if((f==1)&&(ch=='/'))

{

c1=0;

f=0;

c2=0;

break;

}

else

{

f=0;

}

if(ch==EOF)

{

break;

}

}

continue;

}

else

{

c1=0;

}

if((c2==1)&&(ch=='/'))

{

c2=0;

do{

ch=fgetc(fin);

if(ch==EOF) break;

}while(ch!='\n');

continue;

}

else

{

c2=0;

}

if(ch=='/')

{

c1=1;

c2=1;

}

}

if(open==close)

{

printf("\n\nBroqt na blokovete v programata e %d\n\n",open);

}

else

{

printf("\n\nGRE6KA!!!!\nNe vsi4ki blokove sa zatvoreni\n");

printf("\n\nBroq na zatvorenite blokove e %d\n\n",close);

}

}

int broi\_ident()

{

int ident=0,ch,c1=0,c2=0,f=0;

rewind(fin);

while((ch=fgetc(fin))!=EOF)

{

if( (ch=='\_') || ( (ch>='a') && (ch<='z') ) || ( (ch>='A') && (ch<='Z') ) )

{

ident++;

for(;;)

{

ch=fgetc(fin);

if( (ch!='\_') && !(ch>='a'&&ch<='z') && !(ch>='A'&&ch<='Z') && !(ch>='0'&&ch<='9') )

{

break;

}

}

}

if(ch=='\"')

{

for(;;)

{

ch=fgetc(fin);

if(ch=='\\')

{

ch=fgetc(fin);

if(ch=='\"') continue;

}

if(ch=='\"') break;

if(ch=='\n') break;

}

}

if((c1==1)&&(ch=='\*'))

{

for(;;)

{

ch=fgetc(fin);

if(ch=='\*')

{

f=1;

continue;

}

if((f==1)&&(ch=='/'))

{

c1=0;

f=0;

c2=0;

break;

}

else

{

f=0;

}

if(ch==EOF)

{

break;

}

}

continue;

}

else

{

c1=0;

}

if((c2==1)&&(ch=='/'))

{

c2=0;

do{

ch=fgetc(fin);

if(ch==EOF) break;

}while(ch!='\n');

continue;

}

else

{

c2=0;

}

if(ch=='/')

{

c1=1;

c2=1;

}

}

return ident;

}