#include <stdio.h>

#include <conio.h>

void broi\_coment2();

void broi\_coment();

void broi\_coment3();

void broi\_coment4();

FILE \*fin,\*fout;

main()

{

int m;

char ch;

char finname[500],foutname[500];

do

{

printf ("1. Zadavane na direktorii\n");

printf ("2. Ot fail vuv fail\n");

printf ("3. Ot fail na ekrana\n");

printf ("4. Ot klaviaturata vuv fail\n");

printf ("5. Ot klaviaturata na ekrana\n");

printf ("6. Quit \n");

printf ("Make your choise: ");

ch=getche();

switch(ch)

{

case '1':

printf("\nEnter input filelocation: ");

scanf("%s",&finname);

printf("Enter output filelocation: ");

scanf("%s",&foutname);

fout=fopen(foutname,"w");

fin=fopen(finname,"r");

break;

case '2':

if(fin==NULL)

{

printf("\nFILE EORROR\n");

break;

}

else

{

m=1;

}

broi\_coment();

break;

case '3':

if(fin==NULL)

{

printf("\nFILE EORROR\n");

break;

}

else

{

m=2;

}

broi\_coment4();

break;

case '4':

m=3;

broi\_coment2();

printf("\nOtvori output faila\n\n");

break;

case '5':

broi\_coment3();

break;

}

if ((ch!='1')&&(ch!='2')&&(ch!='3')&&(ch!='4')&&(ch!='5')&&(ch!='6'))

{

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

}

}while (ch!='6');

switch(m)

{

case 1:

fclose(fin);

fclose(fout);

case 2:

fclose(fin);

case 3:

fclose(fout);

}

}

void broi\_coment()

{

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

rewind(fin);

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

{

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==' '||ch=='\n') continue;

if(ch=='\*')

{

f=1;

continue;

}

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

{

c1=0;

f=0;

c2=0;

break;

}

else

{

tekst++;

f=0;

}

if(ch==EOF)

{

break;

}

}

continue;

}

else c1=0;

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

{

tekst++;

tekst++;

c2=0;

do{

ch=fgetc(fin);

if(ch!=' '&&ch!='\n') tekst++;

if(ch==EOF) break;

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

continue;

}

else c2=0;

if(ch=='/')

{

c1=1;

c2=1;

}

}

rewind(fin);

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

{

simvoli++;

}

fprintf(fout,"\n\n\nV programata ima %d zna4e6ti simvli v komentarite i %d simvoli ob6to.Otno6enieto im e %d/%d\n\n\n",tekst,simvoli,tekst,simvoli);

printf("\n\nOtvori output faila\n\n");

}

void broi\_coment2()

{

int tekst=0,f=0,i=0,br,simvoli=0;

int c1=0,c2=0; //klu4eta

char \*p, str[10000];

fflush(stdin);

printf("\nKolko simvola 6te ima va6ata programa (max 10000): ");

scanf("%d",&br);

printf("\nNapi6ete programa ot %d znaka i ne se opitvaite da triete\n",br);

for(i=0;i<br;i++)

{

str[i]=getche();

if(str[i]=='\r')

{

printf("\n");

}

}

p=str;

for(;\*p;p++)

{

if((\*p)=='\"')

{

for(;;)

{

p++;

if((\*p)=='\\')

{

p++;

if((\*p)=='\"') continue;

}

if((\*p)=='\"') break;

if((\*p)=='\r') break;

}

}

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

{

for(;;)

{

p++;

if((\*p)=='\0')

{

break;

}

if((\*p)=='\*')

{

f=1;

continue;

}

if((f==1)&&((\*p)=='/'))

{

c1=0;

f=0;

c2=0;

break;

}

else

{

tekst++;

f=0;

}

if(\*p==' '||\*p=='\r') tekst--;

}

continue;

}

else

{

c1=0;

}

if((c2==1)&&((\*p)=='/'))

{

tekst=tekst+2;

c2=0;

do{

p++;

if(\*p!=' '&&\*p!='\r') tekst++;

if(\*p=='\0') break;

}while(\*p!='\r');

continue;

}

else c2=0;

if((\*p)=='/')

{

c1=1;

c2=1;

}

}

fprintf(fout,"\n\n\nV programata ima %d zna4e6ti simvli v komentarite i %d simvoli ob6to.Otno6enieto im e %d/%d\n\n\n",tekst,br,tekst,br);

}

void broi\_coment4()

{

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

rewind(fin);

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

{

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==EOF)

{

break;

}

if(ch==' '||ch=='\n') continue;

if(ch=='\*')

{

f=1;

continue;

}

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

{

c1=0;

f=0;

c2=0;

break;

}

else

{

tekst++;

f=0;

}

}

continue;

}

else c1=0;

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

{

tekst++;

tekst++;

c2=0;

do{

ch=fgetc(fin);

if(ch!=' '&&ch!='\n') tekst++;

if(ch==EOF) break;

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

continue;

}

else c2=0;

if(ch=='/')

{

c1=1;

c2=1;

}

}

rewind(fin);

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

{

simvoli++;

}

printf("\n\n\nV programata ima %d zna4e6ti simvli v komentarite i %d simvoli ob6to.Otno6enieto im e %d/%d\n\n\n",tekst,simvoli,tekst,simvoli);

}

void broi\_coment3()

{

int tekst=0,f=0,i=0,br;

int c1=0,c2=0; //klu4eta

char \*p, str[10000];

fflush(stdin);

printf("\nKolko simvola 6te ima va6ata programa (max 10000): ");

scanf("%d",&br);

printf("\nNapi6ete programa ot %d znaka i ne se opitvaite da triete\n",br);

for(i=0;i<br;i++)

{

str[i]=getche();

if(str[i]=='\r')

{

printf("\n");

}

}

p=str;

for(;\*p;p++)

{

if((\*p)=='\"')

{

for(;;)

{

p++;

if((\*p)=='\\')

{

p++;

if((\*p)=='\"') continue;

}

if((\*p)=='\"') break;

if((\*p)=='\r') break;

}

}

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

{

for(;;)

{

p++;

if((\*p)=='\0')

{

break;

}

if((\*p)=='\*')

{

f=1;

continue;

}

if((f==1)&&((\*p)=='/'))

{

c1=0;

f=0;

c2=0;

break;

}

else

{

tekst++;

f=0;

}

if(\*p==' '||\*p=='\r') tekst--;

}

continue;

}

else

{

c1=0;

}

if((c2==1)&&((\*p)=='/'))

{

tekst=tekst+2;

c2=0;

do{

p++;

if(\*p=='\0') break;

if(\*p!=' '&&\*p!='\r') tekst++;

}while(\*p!='\r');

continue;

}

else c2=0;

if((\*p)=='/')

{

c1=1;

c2=1;

}

}

printf("\n\n\nV programata ima %d zna4e6ti simvli v komentarite i %d simvoli ob6to.Otno6enieto im e %d/%d\n\n\n",tekst,br,tekst,br);

}