#include <stdio.h>

#include <conio.h>

#include <string.h>

void broi\_coment();

void failove();

int broi\_ident();

void func\_to4ki();

FILE \*fin,\*fout;

main()

{

int check=0;

char ch;

do

{

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

printf ("2. Izvejdane na ob6tiq broi na redove v programata\n");

printf ("3. Sreden broi na \".\" v programen red sprqmo obshtiq im broi vuv faila \n");

printf ("4. Nomerirane na komentarnite redove\n");

printf ("5. Quit \n");

printf ("Make your choise: ");

ch=getche();

switch(ch)

{

case '1':

failove();

check=1;

break;

case '2':

if(check==1)

{

fprintf(fout,"\nBroq na redovete v programata e %d",broi\_redove());

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

}

else

{

printf("\n\nZapo4ni ot opciq 1!!!\n\n");

}

break;

case '3':

if(check==1)

{

func\_to4ki();

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

}

else

{

printf("\n\nZapo4ni ot opciq 1!!!\n\n");

}

break;

case '4':

if(check==1)

{

broi\_coment();

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

}

else

{

printf("\n\nZapo4ni ot opciq 1!!!\n\n");

}

break;

case '5':

if(check==1)

{

fclose(fin);

fclose(fout);

}

}

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

{

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

}

}while(ch!='5');

}

void failove()

{

int a;

char finname[500],foutname[500];

do{

printf("\nEnter input filelocation: ");

scanf("%s",&finname);

a=strlen(finname);

if(finname[a-1]!='c'||finname[a-2]!='.')

{

printf("\n\nFailat ne e s raz6irenie .c!!");

finname[0]='\0';

continue;

}

printf("Enter output filelocation: ");

scanf("%s",&foutname);

fout=fopen(foutname,"a+");

fin=fopen(finname,"r");

if(fin==NULL)

{

printf("\nGre6ka pri otvarqne na faila\n");

}

}while(fin==NULL);

}

int broi\_redove()

{

int broiredove=0;

char ch;

rewind(fin);

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

{

if(ch=='\n')

{

broiredove++;

}

}

broiredove++;

return broiredove;

}

void func\_to4ki()

{

char ch;

int i,broiredove,broi\_simvoli=0,broi\_simvoli3=0;

broiredove=broi\_redove(fin);

rewind(fin);

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

{

if(ch=='.')

{

broi\_simvoli++;

}

}

rewind(fin);

printf("\n\n\n");

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

{

while((ch=fgetc(fin))!='\n')

{

if(ch=='.')

{

broi\_simvoli3++;

}

if(ch==EOF)

{

break;

}

}

fprintf(fout,"\n\nRed nomer %d ima %d to4ki\nOtno6enieto na broq na to4kite kum ob6tiq im broi e %d/%d\n\n",i+1,broi\_simvoli3,broi\_simvoli3,broi\_simvoli);

broi\_simvoli3=0;

}

}

void broi\_coment()

{

int k,n=0,c1=0,c2=0,ch,f=0,broikata=0;

rewind(fin);

fprintf(fout,"\nKomentarnite redove sa: ");

do

{

n++;

while((ch=fgetc(fin))!='\n')

{

k=n;

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=='\*'))

{

fprintf(fout," %d",n);

for(;;)

{

ch=fgetc(fin);

if(ch=='\n')

{

n++;

fprintf(fout," %d",n);

continue;

}

if(ch=='\*')

{

f=1;

continue;

}

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

{

c1=0;

f=0;

c2=0;

break;

}

else f=0;

if(ch==EOF)

{

break;

}

}

do{

ch=fgetc(fin);

if(ch==EOF) break;

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

break;

}

else c1=0;

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

{

fprintf(fout," %d",n);

c2=0;

do{

ch=fgetc(fin);

if(ch==EOF) break;

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

break;

}

else c2=0;

if(ch=='/')

{

c1=1;

c2=1;

}

if(ch==EOF) break;

}

}while(ch!=EOF);

}