#include<stdio.h>

#include<conio.h>

#include<string.h>

void file\_open();

void otno6enie();

void komentari();

int broired();

FILE \*fin;

char filename[500];

main()

{

int a=0;

char ch,name[500];

do

{

printf ("\n1. Zadavane na mestopolojenie i ime na fail\n");

printf ("2. Namirane na broq na praznite redovete.\n");

printf ("3. Otno6enieto na malki/glavni bukvi v programen red kum ob6t broi malki/glavni bukvi v programata\n");

printf ("4. broq na simvoli v komentarite v/y broq simvoli v cqlata programa \n");

printf ("5. Quit.\n");

printf ("Make your choise: ");

ch=getche();

switch(ch)

{

case '1':

a=1;

file\_open();

break;

case '2':

if(!a)

{

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

break;

}

rewind(fin);

puts(filename);

printf("\n\nProgramata ima %d broq prazni redove\n\n",broired());

break;

case '3':

if(!a)

{

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

break;

}

puts(filename);

otno6enie();

break;

case '4':

if(!a)

{

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

break;

}

puts(filename);

komentari();

break;

}

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

{

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

}

}while(ch!='5');

if(fin!=NULL)

{

fclose(fin);

}

}

void file\_open()

{

int i;

do{

printf("\n\n\nVuvedete imeto na faila(ne se opitvaite da triete!!!): ");

fflush(stdin);

for(i=0;i<500;i++)

{

filename[i]=getche();

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

{

filename[i]='\0';

break;

}

}

fin=fopen(filename,"r");

if(fin==NULL)

{

printf("\nFILE EORROR\n");

}

else

{

break;

}

}while(1);

}

void komentari()

{

int c1=0,c2=0,ch,f=0,komenttekst=0,broi\_simvoli2=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=='\*'))

{

komenttekst=komenttekst+2;

for(;;)

{

ch=fgetc(fin);

komenttekst++;

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=='/'))

{

komenttekst=komenttekst+2;

c2=0;

do{

ch=fgetc(fin);

komenttekst++;

if(ch==EOF) break;

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

continue;

}

else c2=0;

if(ch=='/')

{

c1=1;

c2=1;

}

}

rewind(fin);

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

{

broi\_simvoli2++;

}

printf("\n\nKomentarniq tekst ima %d simvola, celiq tekst ima %d simvola.Te sa v otno6enie %d/%d \n\n",komenttekst,broi\_simvoli2,komenttekst,broi\_simvoli2);

}

int broired()

{

int broiredove=0;

char ch;

rewind(fin);

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

{

if(ch=='\n')

{

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

{

broiredove++;

}

if(ch==EOF)

{

broiredove++;

}

}

}

return broiredove;

}

void otno6enie()

{

char ch;

int i=0,broiredove=0,broiredovete=0;

rewind(fin);

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

{

if(ch=='\n')

{

broiredove++;

}

}

broiredove++;

rewind(fin);

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

{

if(ch==' ')

{

broiredovete++;

}

do{

ch=fgetc(fin);

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

}

printf("\n\nOtno6enieto na redovete zapo4va6ti s interval kum ob6tiq broi redove e %d/%d\n\n",broiredovete,broiredove);

}