#include<stdio.h>

#include<conio.h>

#include<string.h>

#include<dirent.h>

int broi\_redove(FILE \*fin);

int broi\_redovete(FILE \*fin);

void func\_sredno(FILE \*fin);

int coment(FILE \*fin);

main()

{

int m=0,n=0;

FILE \*fin;

char ch,filename[100],dirr[1000];

DIR \*dir;

struct dirent \*ent;

do

{

printf ("\n1. Zadavane na direktoriq i izbor na fail\n");

printf ("2. Izvejdane na broq na praznite redove v faila\n");

printf ("3. Namirane na otno6enieto zapetai v red kum ob6tiqt im broi\n");

printf ("4. Namirane na boq na komentarite ot tipa //\n");

printf ("5. Quit \n");

printf ("Make your choise: ");

ch=getche();

switch(ch)

{

case '1':

n=1;

printf("\nVuvedete direktoriq: ");

scanf("%s",&dirr);

strcat(dirr,"\\");

dir=opendir(dirr);

if (dir!=NULL)

{

while((ent=readdir(dir))!=NULL)

{

printf ("%s\n",ent->d\_name);

}

closedir(dir);

}

else

{

printf("Error");

return 0;

}

for(;;)

{

printf("\n\n\nVuvedete imeto na faila: ");

scanf("%s",&filename);

strcat(dirr,filename);

fin=fopen(dirr,"r");

if(fin==NULL)

{

printf("\nFILE EORROR\n");

break;

}

else

{

m=1;

}

break;

}

break;

case '2':

if(!n)

{

printf("\n\n\nPurvo vavedete direktoriq sled tova izberete fail!\n\n\n");

break;

}

printf("\n\n\nBroq na praznite redove e %d.\n\n\n",broi\_redove(fin));

break;

case '3':

if(!n)

{

printf("\n\n\nPurvo vavedete direktoriq sled tova izberete fail!\n\n\n");

break;

}

func\_sredno(fin);

break;

case '4':

if(!n)

{

printf("\n\n\nPurvo vavedete direktoriq sled tova izberete fail!\n\n\n");

break;

}

printf("\n\n\nBroq na komentarite ot tipa // e raven na %d.\n\n\n",coment(fin));

break;

}

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

{

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

}

}while(ch!='5');

if(m==1)

{

fclose(fin);

}

}

int broi\_redove(FILE \*fin)

{

int broiredove=0;

char ch;

rewind(fin);

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

{

if(ch=='\n')

{

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

{

broiredove++;

}

}

}

return broiredove;

}

void func\_sredno(FILE \*fin)

{

char ch;

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

broiredove=broi\_redovete(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;

}

}

printf("\nRed nomer %d ima %d zapetaiki\nOtno6enieto na broq na zapetaite kum ob6tiq im broi e %d/%d\n\n",i+1,broi\_simvoli3,broi\_simvoli3,broi\_simvoli);

broi\_simvoli3=0;

}

}

int broi\_redovete(FILE \*fin)

{

int broiredove=0;

char ch;

rewind(fin);

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

{

if(ch=='\n')

{

broiredove++;

}

}

broiredove++;

return broiredove;

}

int coment(FILE \*fin)

{

int comen=0,c1=0,c2=0;

char ch;

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=fgetc(fin);

if(ch=='/')

{

break;

}

}

if(ch==EOF)

{

break;

}

}

c1=0;

c2=0;

continue;

}

else

{

c1=0;

}

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

{

comen++;

c2=0;

do{

ch=fgetc(fin);

if(ch==EOF) break;

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

continue;

}

else

{

c2=0;

}

if(ch=='/')

{

c2=1;

c1=1;

}

}

return comen;

}