#include<stdio.h>

#include<conio.h>

void dulag(FILE \*fin);

void broi\_ident(FILE \*fin);

main()

{

int a=0;

FILE \*fin;

char ch,finname[100];

do

{

printf ("\n1. Izbor na fail s korektno napisana C programa\n");

printf ("2. Namirane na reda s nai-mnogo zna4e6ti simvoli.\n");

printf ("3. Namirane na broq na identificatorite\n");

printf ("4. Quit \n");

printf ("Make your choise: ");

fflush(stdin);

ch=getche();

switch(ch)

{

case '1':

do{

printf("\nVuvedete input file: ");

scanf("%s",&finname);

fin=fopen(finname,"r");

if(fin==NULL)

{

printf("\nErorr\n");

}

}while(fin==NULL);

a=1;

break;

case '2':

if(a)

{

dulag(fin);

}

else

{

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

}

break;

case '3':

if(a)

{

broi\_ident(fin);

}

else

{

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

}

break;

}

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

{

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

}

}while(ch!='4');

return 0;

}

void dulag(FILE \*fin)

{

int i,broiredove=0,nred[100000],swap1;

char ch;

rewind(fin);

while((ch=fgetc(fin))!=EOF) // ob6t broi redove

{

if(ch=='\n')

{

broiredove++;

}

}

broiredove++;

rewind(fin);

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

{

nred[i]=0;

while((ch=fgetc(fin))!='\n') //EOF e zna4e6t simvol

{

if(ch==' '||ch=='\n'||ch=='\t'||ch=='\v') continue;

nred[i]++;

if(ch==EOF)

{

break;

}

}

}

for(swap1=nred[0],i=0;i<broiredove;i++)

{

if(swap1<nred[i])

{

swap1=nred[i];

}

}

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

{

if(swap1==nred[i])

{

break;

}

}

printf("\nNai-dulgiq red - N%d i ima %d zna4e6ti simvola.\n ",i+1,swap1);

}

void broi\_ident(FILE \*fin)

{

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=='\"') // kavi4ka

{

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=='/'))

{

c1=0;

c2=0;

do{

ch=fgetc(fin);

if(ch==EOF) break;

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

continue;

}

else

{

c2=0;

}

if(ch=='/')

{

c1=1;

c2=1;

}

}

printf("\n\nBroqt na identifikatorite v programata e %d.\n\n",ident);

}