#include <stdio.h>

#include <conio.h>

int broi();

int broi2();

void failove();

FILE \*fin,\*fout;

main()

{

int check=0;

char ch;

printf("\nPrograma namira6ta redut s nai-malko zna4e6ti simvoli\n");

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 ("0. Quit \n");

printf ("Make your choise: ");

ch=getche();

switch(ch)

{

case '1':

check=1;

failove();

break;

case '2':

if(check)

{

fprintf(fout,"\nNai-kusiqt e red N%d\n",broi());

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

break;

}

else

{

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

break;

}

case '3':

if(check)

{

printf("\nNai-kusiqt e red N%d\n",broi());

break;

}

else

{

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

break;

}

case '4':

if(check)

{

fprintf(fout,"\nNai-kusiqt e red N%d\n",broi2());

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

break;

}

else

{

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

break;

}

case '5':

printf("\nNai-kusiqt e red N%d\n",broi2());

break;

case '0':

printf("\n\n");

if(check)

{

fclose(fin);

fclose(fout);

}

break;

}

if ((ch!='1')&&(ch!='2')&&(ch!='3')&&(ch!='4')&&(ch!='5')&&(ch!='0'))

{

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

}

}while (ch!='0');

}

void failove()

{

char ch;

char finname[500],foutname[500];

do{

printf("\nEnter input filelocation: ");

scanf("%s",&finname);

fin=fopen(finname,"r"); // otvoren za 4etene

if(fin==NULL) // ako faila ne su6testvuva

{

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

}

}while(fin==NULL);

printf("6te izpolzvate li fail za izxod?(Y or something else) ");

fflush(stdin); // 4isti input bufera

ch=getche();

if(ch=='y'||ch=='Y')

{

printf("Enter output filelocation: ");

scanf("%s",&foutname);

fout=fopen(foutname,"a+"); // za zapis

}

}

int broi()

{

int broiredove=0,i,swap,nred[10000];

char ch;

rewind(fin); // po4va da 4ete faila ot na4alo

while((ch=fgetc(fin))!=EOF) // 4ete dokato ne stigne krai na faila

{

if(ch=='\n')

{

broiredove++;

}

}

broiredove++; // prebroqva i posledniq red

rewind(fin);

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

{

nred[i]=0; // zanulqvame poredniq red

while((ch=fgetc(fin))!='\n') // 4etem dokato ne stignem nov red

{

if(ch!='\n'&&ch!=' '&&ch!='\t') //ako e zna4e6t simvol

{

nred[i]++;

}

if(ch==EOF) // ako faila svur6i

{

break;

}

}

}

for(swap=nred[0],i=0;i<broiredove;i++) // swap prisvoqva stoinost broq na zna4e6tite simvoli v nai kusiq red

{

if(swap>nred[i])

{

swap=nred[i];

}

}

for(i=0;i<broiredove;i++) // namirane na poredniq nomer na reda

{

if(swap==nred[i])

{

break;

}

}

return i+1; // vru6ta poredniq nomer

}

int broi2()

{

int broiredove=0,i,t,swap,nred[10000],br;

char 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");

}

}

for(i=0;str[i]!='\0';i++)

{

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

{

broiredove++;

}

}

broiredove++;

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

{

nred[i]=0;

for(;str[t]!='\r';t++)

{

if(str[t]!='\r'&&str[t]!=' '&&str[t]!='\t')

{

nred[i]++;

}

}

if(str[t]=='\0')

{

break;

}

}

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

{

if(swap>nred[i])

{

swap=nred[i];

}

}

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

{

if(swap==nred[i])

{

break;

}

}

return i+1;

}