**Текст программы:**

#define \_CRT\_SECURE\_NO\_WARNING

#include <stdio.h>

#include <locale.h>

const char symbols[128] = { '1','2','3','4','5','6','7','8','9','0',

'a','б','в','г','д','е','ё','ж','з','и','й','к','л','м','н','о','п,'р','с','т','у','ф','х','ц','ч','ш','щ','ъ','ы','ъ','э','ю','я',

'А','Б','В','Г','Д','Е','Ё','Ж','З','И','Й','К','Л','М','Н','О','П,'Р','С','Т','У','Ф','Х','Ц','Ч','Ш','Щ','Ъ','Ы','Ь','Э','Ю','Я',

'q','w','e','r','t','y','u','i','o','p','a','s','d','f','g','h','j,'k','l','z','x','c','v','b','n','m','Q','W','E','R','T','Y','U','I,'O','P','A','S','D','F','G','H','J','K','L','Z','X','C','V','B','N,'M'};

const char\* FNAME = "Text.txt";

void Task(char\* str, int\* CounterSymbols);

int main()

{

unsigned char s[256];

FILE\* in;

unsigned int AvarageN; //среднее кол-во цифр

unsigned int AvarageL; //среднее кол-во букв

int CounterSymbols[130]; //массив счетчиков символов

int CounterString; // счетчик кол-ва строк

int i = 0;

in = fopen(FNAME, "rt");

setlocale(LC\_ALL, "Russian");

if (in != NULL)

{

for (i = 0; i < 130; i++) //обнуляем счетчики символов

{

CounterSymbols[i] = 0;

}

CounterString = 0;

while (fgets(s, 256, in) != NULL)

{

Task(s, CounterSymbols);

CounterString++;

}

if (!feof(in))

{

fclose(in);

printf("error of reading\n");

getchar();

return 0;

}

fclose(in);

if (CounterString == 0)

{

printf("File is empty\n");

getchar();

return 0;

}

else

{

AvarageN = CounterSymbols[128] / CounterString;

AvarageL = CounterSymbols[129] / CounterString;

printf("Average count of numbers in line is %u\n", AvarageN);

printf("Average count of letters in line is %u\n", AvarageL);

for (i = 0; i < 128; i++)

{

if (CounterSymbols[i] != 0)

{

printf("Count of %c", symbols[i]);

printf(" is %u\n", CounterSymbols[i]);

}

}

}

}//end of "if (in != NULL)"

else

{

printf("File not found");

getchar();

return 0;

}

return 0;

}

void Task(char\* str, int\* CounterSymbols)

{

int i=0;

int j=0;

while ((str[i] != '\n') && (str[i] != '\0'))

{

for ( j = 0; j < 128; j++)

{

if (str[i] == symbols[j])

{

CounterSymbols[j]++;

if (j < 10)

{

CounterSymbols[128]++;

}

else

{

CounterSymbols[129]++;

break;

}

}

}

i++;

}

}