#include <stdio.h>

#include <stdlib.h>

int main()

{

int sumAlpha = 0, sumNum = 0, sumRest = 0;

char c;

FILE \*fp;

if ((fp = fopen("习题12.1.txt", "r")) == NULL)

{

printf("无法打开这个文件!\n");

exit(0);

}

while (!feof(fp))

{

c = fgetc(fp);

if (c >= '0'&&c <= '9')

{

++sumNum;

}

else if ((c >= 'a'&&c <= 'z') || (c >= 'A'&&c <= 'Z'))

{

++sumAlpha;

}

else

{

++sumRest;

}

}

printf("There are %d characters, %d numbers and %d other symbols.\n", sumAlpha, sumNum, sumRest-1);

if (fclose(fp))

{

printf("无法关闭这个文件!\n");

exit(0);

}

return 0;

}