#include <stdio.h>

#include <stdlib.h>

#include <time.h>

#define FALSE 0

#define TRUE 1

#pragma warning(disable:4996)

int word(char\* string);

int checkCorrect(char\* myword, char ch);

int checkAlreadyGuessed(char\* alreadyGuessed, char ch);

int includeMinus(char\* str);

int enteredCorrect(char\* myword, char\* currentCorrect, char ch);

int includeCapital(char\* str);

int strlen(char\* str)

{

int leng = 0;

if (str == 0) return 0;

for (leng = 0; str[leng]; leng++);

return leng;

}

void strcpy(char\* to, char\* from)

{

if (!to || !from)

fprintf(stderr, "strcpy:input error\n");

for (; \*from; to++, from++) \*to = \*from;

\*(to) = 0;

}

int main(void)

{

char myword[200], ch, in[10], alreadyGuessed[20] = { 0 };

char currentCorrect[200] =

"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"; ;

int chance = 6, fin = 0;

word(myword);

printf("selected & retuned words >%s<\n", myword);

currentCorrect[strlen(myword)] = 0;

//printf("selected word : %s\n", myword) ;

printf("You have only %d chances left\n guess a character\n", chance);

//

while (chance > 0 && fin == 0)

{

scanf("%c", &ch);

// fgets(in,10, stdin) ;

//printf("INPUT->%s\n", in) ;

//ch = in[0] ;

if (ch == '\n')

continue;

else

printf("you have entered %c\n", ch);

if (!checkAlreadyGuessed(alreadyGuessed, ch))

{

if (!checkCorrect(myword, ch))

{

chance--; /\* lost a chance \*/

}

else

{

enteredCorrect(myword, currentCorrect, ch);

//단어를 찾아다고 가정

fin = TRUE;

}

for (int i = 0; i < strlen(currentCorrect); i++) {

if (currentCorrect[i] == '\*') {

// 앗 보니까 다 못찾았네..

fin = FALSE;

break;

}

}

}

printf("You have only %d chances left\n", chance);

printf("Current guessed string is %s\nguess a character\n",

currentCorrect);

fflush(stdout);

}

if (chance > 0)

printf("Great\n");

else

{

printf("Sorry, try more words\n");

printf("correct word was %s\n", myword);

}

getchar();

return 0;

}

int checkAlreadyGuessed(char\* alreadyGuessed, char ch)

{

for (int i = 0; i < strlen(alreadyGuessed); i++) {

if (alreadyGuessed[i] == ch)

return TRUE;

}

/\* return 1 if a user already guessed this character, otherwise return 0 \*/

return FALSE;

}

int enteredCorrect(char\* myword, char\* currentCorrect, char ch)

{

for (int i = 0; i < strlen(myword); i++)

{

if (myword[i] == ch) {

currentCorrect[i] = ch;

}

}

return 0;

}

int checkCorrect(char\* myword, char ch)

{

for (int i = 0; i < strlen(myword); i++)

{

if (myword[i] == ch) {

return TRUE;

}

}

return FALSE;

}

int AllLower(char\* str)

{

for (; \*str; str++)

if (!islower(\*str)) return 0;

return 1;

}

int word(char\* string)

{

FILE\* fp;

char str[100];

int i, fi, nthWord;

// linux struct timeval tv ;

fp = fopen("clean\_word.txt", "r");

if (fp == 0) {

fprintf(stderr, "words.txt ����.\n");

strcpy(string, "");

return 0;

}

srand(time(0)); // linux srand(tv.tv\_sec \* tv.tv\_usec) ;

printf("%d %d\n", RAND\_MAX, rand());

#define LASTWORD 479623

#define MIN\_LENGTH 6

nthWord = (int)((float)rand() / (float)RAND\_MAX \* ((float)LASTWORD) + 0.5);

if (nthWord + 100 > LASTWORD)

nthWord = nthWord - 100;

printf("nth word = %d\n", nthWord);

/\* skip until nth word \*/

for (i = 1; i < nthWord; i++)

{

fi = fscanf(fp, "%s", str);

if (fi == EOF)

break;

}

/\* use only long enough words \*/

for (; ; )

{

if (strlen(str) >= MIN\_LENGTH && AllLower(str))

{

printf("My selected word %s\n", str);

strcpy(string, str);

break;

}

fi = fscanf(fp, "%s", str);

if (fi == EOF)

break;

}

fclose(fp);

return 0;

}