实验九

基础练习

1.

#include<stdio.h>

void maxmin(int\* date, int\* max, int\* min, int len){//查找并返回数组的最小值

for(int i = 0; i < len; i++){

//判断是否大于最大值或小于最小值

if(\*max < \*date){

\*max = \*date;

}else if(\*min > \*date){

\*min = \*date;

}

//数组指向后移一个单位

date++;

}

}

int main(){

int date[10] = {1,2,3,4,5,6,7,8,9,10};

int max = date[0];

int min = date[0];

maxmin(date, &max, &min, 10);

printf("%d, %d", max, min);

}

2.

#include<stdio.h>

#include <ctype.h>

#include<string.h>

int count(char\* string) {

int count = 0;

int str = strlen(string);

for (int i = 0; i < str; i++) {

if (!isdigit(\*string)) {

count++;

}

string++;

}

return count;

}

int main() {

char str[] = "heel123abcd";

int sum = count(str);

printf("%d", sum);

}

3．

#include<stdio.h>

int del(int\* data, int n, int len) {

int\* index = data;

for (int i = 0; i < len; i++) {

if (\*data == n) {

index++;

i++;

len--;

}

\*data = \*index;

data++;

index++;

}

return len;

}

int main() {

int arr[1024];

int i = 0;

int len = 0;

while (scanf("%d", &arr[i]) != -1)

{

i++;

len++;

}

len = del(arr, 4, len);

printf("%d", len);

}

4.

#include<stdio.h>

int search(int\* data, int n, int len) {

for (int i = 0; i < len; i++) {

if (\*data == n) {

return i;

}

}

return -1;

}

int main() {

int data[1024];

int len = 0;

int i = 0;

while (scanf("%d", &data[i]) != -1) {

i++;

len++;

}

int n;

scanf("%d", &n);

int index = search(data, n, len);

if (len != -1) {

printf("%d\n", index);

}

else {

printf("没有找到\n");

}

}

5.

#include<stdio.h>

void delch(char\* string, int\* len, char n) {

char\* index = string;

for (int i = 0; i < \*len; i++) {

if (\*string == n) {

index++;

i++;

}

\*string = \*index;

string++;

index++;

}

--\* len;

}

int main() {

char string[] = "abcdrf";

char n;

int len = sizeof(string) / sizeof(string[0]) - 1;

scanf(" %c", &n);

printf("%s\n", string);

delch(string, &len, n);

for (int i = 0; i < len; i++) {

printf("%c", string[i]);

}

printf("\n");

}