3.5

#include <stdio.h>

int main() {

int n;

printf("请输入数字序列的长度：");

scanf("%d", &n);

int num[n];

printf("请输入数字序列：");

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

scanf("%d", &num[i]);

}

printf("相邻两个数之间的差为：");

for (int i = 0; i <n - 1; i++) {

printf("%d ", num[i + 1] - num[i]);

}

return 0;

}

3.6

#include<stdio.h>

#include<string.h>

int main() {

int n;

char max;

char zf[100];

printf("请输入字符串：");

scanf("%s", zf);

n = strlen(zf);

max = zf[0];

for (int i = 1; i < n; i++) {

if (zf[i] > max){

max = zf[i];

}

}

printf("最大字符为：%c", max);

return 0;

}

3.8

#include<stdio.h>

int main() {

char zf[100];

int i = 0;

printf("请输入字符串：");

scanf("%s", zf);

if (zf[0] == '0') {

printf("你输入的是空串\n");

}

else {

printf("你输入的是：%s\n",zf);

}

return 0;

}

3.9

#include<stdio.h>

#include<stdlib.h>

int main(){

FILE\*file;

char filename[]="score.txt";

char a[1000];

file=fopen(filename,"r");

if(file==NULL){

printf("无法打开文件%s\n",filename);

return 1;

}

printf("文件%s的内容是:",filename);

while(fgets(a,sizeof(a),file)!=NULL)

printf("%s",a);

fclose (file);

return 0;

3.10

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

int main(){

char zf[1000];

int n;

FILE\*file;

file=fopen("www.txt","w");

if(file==NULL){

printf("不能创建文件！");

return 1;

}

printf("请输入字符串");

scanf("%s",zf);

n=strlen(zf);

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

fprintf(file,"%c\n",zf[i]);

}

fclose(file);

return 0;

}