第七次作业：

Problem A: [编写函数：第几个英文字母 (Append Code)](http://192.168.119.211/JudgeOnline/problem.php?cid=4638&pid=0)

#include<stdio.h>

#include<math.h>

int chseq(char ch)

{

if(ch>='a'&&ch<='z')

return ch-96;

if(ch>='A'&&ch<='Z')

return ch-64;

}

output(char ch, int n)

{

if(n%10==1)

printf("%c is %dst character.",ch,n);

if(n%10==2)

printf("%c is %dnd character.",ch,n);

if(n%10==3)

printf("%c is %drd character.",ch,n);

if(n%10!=1&&n%10!=2&&n%10!=3)

printf("%c is %dth character.",ch,n);

}

int main()

{

char ch = getchar();

int n = chseq(ch);

output(ch, n);

}

Problem B: [编写函数：有多少个数字 (Append Code)](http://192.168.119.211/JudgeOnline/problem.php?cid=4638&pid=1)

#include<stdio.h>

#include<math.h>

int get\_nums(int \*n)

{

int m,i=0;

while(scanf("%d",&m)!=EOF)

i++;

\*n=i;

}

int main()

{

int n;

get\_nums(&n);

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

}

Problem C:

[编写函数：字符串的长度 (Append Code)](http://192.168.119.211/JudgeOnline/problem.php?cid=4638&pid=2)

#include<stdio.h>

#include<math.h>

#define MAX\_STR\_LEN 1001

int str\_len(char s[])

{

int i=0,j;

while(s[i]!=0)

i++;

return i;

}

int main()

{

int n;

char s[MAX\_STR\_LEN];

while(gets(s) != NULL)

printf("%d\n", str\_len(s));

return 0;

}

Problem D:

[编写函数：几点几分几秒 (Append Code)](http://192.168.119.211/JudgeOnline/problem.php?cid=4638&pid=3)

#include<stdio.h>

#include<math.h>

struct time

{

int hh,mm,ss;

}time;

struct time to\_time(int n)

{

time.hh=n/3600;

time.mm=(n-time.hh\*3600)/60;

time.ss=n%60;

};

int put\_time(struct time t)

{

printf("%02d:%02d:%02d\n",time.hh,time.mm,time.ss);

}

int main()

{

int n;

struct time tm;

while(scanf("%d", &n) != EOF)

{

tm = to\_time(n);

put\_time(tm);

}

return 0;

}

Problem E

[编写函数：数组的下标 (Append Code)](http://192.168.119.211/JudgeOnline/problem.php?cid=4638&pid=4)

#include<stdio.h>

#include<math.h>

int get\_array(int a[])

{

int n,i;

scanf("%d",&n);

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

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

}

array\_value(int a[], int n, int k)

{

if(k>=0)

return a[k];

else

return a[n+k];

}

int main()

{

int size, arr[1000], m, k;

size = get\_array(arr);

while(scanf("%d", &k) != EOF)

printf("%d\n", array\_value(arr, size, k));

return 0;

}