[编写函数：你交换了吗？之一 (Append Code)](http://cise.sdust.edu.cn/OJ/problem.php?cid=4642&pid=0)

#include<stdio.h>

int is\_swapped(int \* a, int \* b)

{

int temp;

if(\*a>\*b)

{

temp=\*a;

\*a=\*b;

\*b=temp;

return 1;

}

else

return 0;

}

int main()

{

int a, b;

scanf("%d%d", &a, &b);

if(is\_swapped(&a, &b))

printf("%d %d YES", a, b);

else

printf("%d %d NO", a, b);

}

[编写函数：你交换了吗？之二 (Append Code)](http://cise.sdust.edu.cn/OJ/problem.php?cid=4642&pid=1)

#include<stdio.h>

int is\_swapped(int \* a, int \* b)

{

if(\*a>\*b)

return 1;

else

return 0;

}

int main()

{

int a, b;

scanf("%d%d", &a, &b);

if(is\_swapped(&a, &b))

printf("%d %d YES", b, a);

else

printf("%d %d NO", a, b);

}

[编写函数：三个数的最大最小值 (Append Code)](http://cise.sdust.edu.cn/OJ/problem.php?cid=4642&pid=2)

#include<stdio.h>

get\_num(int \*x,int \*y,int \*z)

{

int v,n,m;

scanf("%d%d%d",&v,&n,&m);

\*x=v;

\*y=n;

\*z=m;

}

max\_min(int \*q,int \*w,int e,int r,int u)

{

int temp1,temp2,temp3;

if(e>r)

{

temp1=e;

e=r;

r=temp1;

}

if(e>u)

{

temp3=e;

e=u;

u=temp3;

}

if(r>u)

{

temp2=u;

u=r;

r=temp2;

}

\*q=u;

\*w=e;

}

int main()

{

int cases, i;

int mmax, mmin, a, b, c;

scanf("%d", &cases);

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

{

get\_num(&a, &b, &c);

max\_min(&mmax, &mmin, a, b, c);

printf("case %d : %d, %d\n", i, mmax, mmin);

}

}

[编写函数：字符串的连接 之一 (Append Code)](http://cise.sdust.edu.cn/OJ/problem.php?cid=4642&pid=3)

#include<stdio.h>

#define MAX\_STR\_LEN 101

char \* str\_cat(char \* t, char \* s)

{

char \*a=t,\*b=s;

while(\*a!=0)

{

\*a++;

}

while(\*b!=0)

{

\*a++=\*b++;

}

\*a=0;

return t;

}

int main()

{

char s[MAX\_STR\_LEN], str[MAX\_STR\_LEN], \*p;

while(gets(s) != NULL && gets(str) != NULL)

{

p = str\_cat(str, s);

puts(p);

puts(str);

}

return 0;

}

[编写函数：字符串的复制 之二 (Append Code)](http://cise.sdust.edu.cn/OJ/problem.php?cid=4642&pid=4)

#include<stdio.h>

#define MAX\_STR\_LEN 202

char \* str\_cpy(char \* t, char \* s, int n)

{

char \*a=t,\*b=s;

int i;

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

{

\*a++=\*b++;

} \*a=0;

return t;

}

int main()

{

int n;

char s[MAX\_STR\_LEN], str[MAX\_STR\_LEN], \*p;

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

{

gets(s);

p = str\_cpy(str, s, n);

puts(p);

puts(str);

}

return 0;

}

[编写函数：各位数字之和 (Append Code)](http://cise.sdust.edu.cn/OJ/problem.php?cid=4642&pid=5)

#include<stdio.h>

int digit\_sum(int num)

{

int x,sum=0;

if(num<10)

return num;

else

{

while(1)

{

while(1)

{

x=num%10;

sum=sum+x;

if(num<10)

break;

else

num=num/10;

}

if(sum<10)

break;

else

num=sum;

sum=0;

}

return sum;

}

}

int main()

{

int n;

scanf("%d", &n);

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

return 0;

}