第七次实验

Problem A

[寻求勾股数](http://192.168.119.211/JudgeOnline/problem.php?cid=4650&pid=0)

#include<stdio.h>

#include<math.h>

#include<stdlib.h>

int main()

{

int x,y,j,i,q,count=0,lch=0;

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

{

count =0;

lch++;

printf("case %d:",lch);

for(i=x; i<=y; i++)

{

for(j=x+1; j<=y; j++)

{

q=sqrt(i\*i+j\*j);

if(q<=y&&q\*q==i\*i+j\*j&&i<j)

{

count++;

if(count==1)

printf("%d,%d,%d",i,j,q);

else

printf(";%d,%d,%d",i,j,q);

}

}

}

if(count==0)

printf("No pythagorean triple");

printf("\n");

}

return 0;

}

Problem B

[编写函数：是否水仙花数？ (Append Code)](http://192.168.119.211/JudgeOnline/problem.php?cid=4650&pid=1)

#include<stdio.h>

#include<math.h>

#include<stdlib.h>

int is\_daffodil(int n)

{

int a,b,c;

if(n>=100&&n<=999)

{

a=n/100;

b=(n-a\*100)/10;

c=(n%10);

if(n==a\*a\*a+b\*b\*b+c\*c\*c)

return 1;

else

return 0;

}

else

return 0;

return 0;

}

int main()

{

int n;

scanf("%d", &n);

printf("%s",

( is\_daffodil(n) ? "Yes, it is a daffodil."

: "No, it is not a daffodil." )

);

return 0;

}

Problem C

[A+B Problem (VIII) : Pointer Practice (Append Code)](http://192.168.119.211/JudgeOnline/problem.php?cid=4650&pid=2)

#include<stdio.h>

#include<math.h>

#include<stdlib.h>

int get\_int\_sum(int \*a, int \*b)

{

int x,y,sum;

scanf("%d%d",&x,&y);

\*a=x;

\*b=y;

sum=x+y;

return sum;

}

int main()

{

int n, a, b, i;

scanf("%d", &n);

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

{

printf("%d = ", get\_int\_sum(&a, &b));

printf("%d + %d\n", a, b);

}

return 0;

}

Problem D

[编写函数：字符串的原地逆序 (Append Code)](http://192.168.119.211/JudgeOnline/problem.php?cid=4650&pid=3)

#include<stdio.h>

#include<math.h>

#include<stdlib.h>

#include<string.h>

#define MAX\_STR\_LEN 101

char \* revs(char \* s)

{

int a=0,b,temp,i;

b=strlen(s);

for(i=0;i<(b/2);i++)

{

temp=s[i];

s[i]=s[b-1-i];

s[b-1-i]=temp;

}

}

int main()

{

char s[MAX\_STR\_LEN];

gets(s);

revs(s);

puts(s);

return 0;

}