**整除7求和**

#include<stdio.h>

int sum7(int x,int y)

{

int i,sum=0;

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

if(i%7==0)

sum+=i;

return sum;

}

int main()

{

int m,n;

do{

printf("Please input m&n(m<n):\n");

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

}while(m>=n);

printf("The sum is %d",sum7(m,n));

return 0;

}

**素数判断输出**

#include<stdio.h>

int judge(int n)

{

int i,sushu=1;

for(i=2;i<n;i++)

if(n%i==0)

sushu=0;

return sushu;

}

int reverse(int n)

{

int temp=0;

while(n!=0)

{

temp=(temp\*10+n%10);

n/=10;

}

return temp;

}

int main()

{

int i,m,n,k=0;

do{

printf("Please input m&n(m<n):\n");

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

}while(m>=n);

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

{

if(judge(i)&&judge(reverse(i)))

{

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

k=1;

}

}

if(!k)

printf("0");

return 0;

}

**公约公倍局部变量**

#include<stdio.h>

int maxdiv(int x,int y)

{

int i,max=1;

for(i=1;i<=x&&i<=y;i++)

if((x%i==0)&&(y%i==0))

max=i;

return max;

}

int minmul(int x,int y,int z)

{

int maxdiv(int x,int y);

int min;

z=maxdiv(x,y);

min=x\*y/z;

return min;

}

int main()

{

int a,b,c;

printf("Please input two numbers:\n");

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

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

printf("minmul is %d\n",minmul(a,b,c));

}

**公约公倍全局变量**

#include<stdio.h>

int maxdiv,minmul;

void maxdivi(int x,int y)

{

int i,max=1;

for(i=1;i<=x&&i<=y;i++)

if((x%i==0)&&(y%i==0))

max=i;

maxdiv=max;

}

void minmult(int x,int y)

{

void maxdivi(int x,int y);

minmul=x\*y/maxdiv;

}

int main()

{

int x,y;

printf("Please input two numbers:\n");

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

maxdivi(x,y);

minmult(x,y);

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

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

}

**字符串反向存放输出**

#include<stdio.h>

#include<string.h>

char reverse(char x[])

{

int i,j,len;

char y[100];

len=strlen(x);

for(i=len-1,j=0;i>=0;i--,j++)

y[j]=x[i];

y[j]='\0';

puts(y);

}

int main()

{

char x[100],y[100];

printf("Please input some chars:\n");

gets(x);

reverse(x);

}

**宏定义数字交换**

#include<stdio.h>

int temp;

#define reverse(a,b) temp=a;a=b;b=temp;

int main()

{

int x,y;

printf("Please input two numbers:\n");

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

reverse(x,y);

printf("%d %d",x,y);

return 0;

}

**阅读程序判断输出结果**

#include<stdio.h>

#define PRODUCT(a,b) a\*b

void fun(int i)

{

static int x=1;

x+=PRODUCT(x+i,x-i);

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

}

int main()

{

int i,x=1;

for(i=1;i<=3;i++,x++)

fun(x+i);

}