//Naga Harshitha V

//2403737710422095

//exp1\_lev0

#include<stdio.h>

int main()

{

int k,m,cm;

scanf("%d",&k);

m=k\*1000;

cm=k\*100000;

printf("%d",m);

printf("%d",cm);

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp1\_lev1

#include<stdio.h>

int main()

{

int d,h,m,s,ts;

scanf("%d%d%d%d",&d,&h,&m,&s);

ts=d\*24\*3600+h\*3600+m\*60+s;

printf("%d",ts);

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp1\_lev2

#include<stdio.h>

#include<math.h>

int main()

{

int fact,n;

float e=2.71,pi=3.14;

scanf("%d",&n);

fact=sqrt(2)\*sqrt(pi)\*sqrt(n)\*pow(n/e,n);

printf("%d",fact);

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp2\_lev0

#include<stdio.h>

int main(){

int n;

printf("month no:");

scanf("%d",&n);

printf("no of days: ");

switch(n){

case 1:{

printf("january(31)");

break;}

case 2:{

printf("february(28 or 29)");

break;}

case 3:{

printf("march(31)");

break;}

case 4:{

printf("april(30)");

break;}

case 5:{

printf("may(31)");

break;}

case 6:{

printf("june(30)");

break; }

case 7:{

printf("july(31)");

break;}

case 8:{

printf("august(30)");

break;}

case 9:{

printf("september(31)");

break; }

case 10:{

printf("october(30)");

break;}

case 11:{

printf("november(31)");

break;}

case 12:{

printf("december(30)");}

}

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp2\_lev1

#include<stdio.h>

int main()

{

int n;

scanf("%d",&n);

if(n<0)

{

printf("invalid");

}

else if((n%5==0)&&(n%11==0))

{

printf("divisible");

}

else if(n%5==0)

{

printf("divisible by 5");

}

else if(n%11==0)

{

printf("divisible by 11");

}

else

{

printf("not divisible");

}

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp2\_lev2

#include<stdio.h>

int main()

{

char ch;

scanf("%c",&ch);

printf("%c\n",ch);

if(ch>='0' && ch<='9')

{

printf("digits");

}

else if((ch>=97)&&(ch<=122))

{

printf("alphabet(lowecase)");

}

else if((ch>=65)&&(ch<=90))

{

printf("alphabet(uppercase)");

}

else

{

printf("special charecter");

}

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp3\_lev0

#include<stdio.h>

void multiples(int n)

{

int mul,i;

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

{

mul=n\*i;

printf("%d\*%d=%d\n",n,i,mul);

}

}

int main()

{

int n,mul;

scanf("%d",&n);

multiples(n);

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp3\_lev1

#include<stdio.h>

void num(int n)

{

int a[n];

int p=0,N=0;

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

{

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

if(a[i]>=0)

{

printf("%d\n",a[i]);

p+=1;

}

else

{

printf("%d\n",a[i]);

N+=1;

}

}

printf("no of positive numbers=%d\n",p);

printf("no of negative numbers=%d\n",N);

}

int main()

{

int n,p=0,N=0;

scanf("%d",&n);

num(n);

return 0;}

//Naga Harshitha V

//2403737710422095

//exp3\_lev2

#include<stdio.h>

int main()

{

int n,a,t;

scanf("%d",&n);

t=n;

a=1;

for(int r=0;r<=t;r++)

{

n=n-1;

for(int c=0;c<=n;c++)

{

printf("%d",a++);

}

printf("\n");

}

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp4\_lev0

#include<stdio.h>

int main()

{

int n,sum=0;

scanf("%d",&n);

int arr[n];

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

{

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

sum=sum+arr[i];

}

printf("%d",sum);

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp4\_lev1

#include<stdio.h>

int main(){

int n,i;

scanf("%d",&n);

int arr[n];

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

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

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

printf("%d ",arr[i]);}

printf("\n");

int choice,num,loc;

scanf("%d",&choice);

switch(choice){

case 1:{

scanf("%d",&loc);

if(loc<0 || loc>n)

printf("Invalid location\n");

else

scanf("%d",&num);

for(i=n;i>loc;i--){

arr[i]=arr[i-1];

}

arr[loc]=num;

n++;

break;}

case 2:{

scanf("%d",&loc);

if(loc<0 || loc>n)

printf("Invalid location\n");

else

for(i=loc;i<n;i++){

arr[i]=arr[i+1];}

n--;

break;}

case 3:

break;}

printf("Finally the array is:");

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

printf("%d ",arr[i]);}

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp4\_lev2

#include<stdio.h>

int main(){

int n,i;

scanf("%d",&n);

int arr1[n],arr2[n];

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

scanf("%d",&arr1[i]);}

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

scanf("%d",&arr2[i]);}

int max=arr1[0];

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

if(arr1[i]>max)

max=arr1[i];}

printf("Maximun elementof array1 is %d\n",max);

int min=arr2[0];

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

if(arr2[i]<min)

min=arr2[i];}

printf("Minimun element of array2 is %d\n",min);

int product=max\*min;

printf("Product of maximun and minimun element is %d",product);

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp5\_lev1

#include<stdio.h>

int main()

{

char str[30];

printf("enter password : ");

scanf("%s",str);

int d=0,u=0,sc=0,i;

i=0;

while(str[i]!='\0')

{

if(str[i]>='0'&& str[i]<='9')

{

d=1;

}

else if(str[i]>='A' && str[i]<='Z')

{

u=1;

}

else if(str[i]>='a' && str[i]<='z')

{

sc=1;

}

i++;

}

int tem=i;

if(tem>=8 && u==1 && d==1 && sc==1)

{

printf("password is valid");

}

else

{

printf("password is invalid");

}

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp5\_lev2

#include<stdio.h>

int main()

{

char str[20],new[20];

scanf("%s",str);

int i,j;

i=0;

while(str[i]!='\0')

{

if(str[i]>='A' && str[i]<='Z')

{

str[i]=(char)(str[i]+32);

}

i++;

}

int len=i,tem;

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

{

for(j=i+1;j<len;j++)

{

if(str[i]>str[j])

{

tem=str[i];

str[i]=str[j];

str[j]=tem;

}

}

}

printf("The sorted string is %s",str);

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp6\_lev0

#include<stdio.h>

int NoOfFactors(int n){

int f=1,sum=0;

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

{

if(n==1 || n==2)

{

sum++;

}

else if(n%i==0)

{

sum++;

}

else

{

continue;

}

}

return sum;

}

int main()

{

int n;

scanf("%d",&n);

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

return 0;

}

//Naga Harshitha V

//2403737710422095

//exp6\_lev1