**21/03/2024**

**LARGEST BETEWEEN TWO NUMBERS**

#include <stdio.h>

void main()

{

int a,b;

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

if(a<b){

printf("b is larger than a");

}

else{

printf("a is larger than b");

}

}

**SMALLEST OF TWO NUMBERS**

#include <stdio.h>

void main()

{

int a,b;

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

if(a<b){

printf("a is smaller than b");

}

else{

printf("b is smaller than a");

}

}

**LARGEST OF THREE NUMBER**

#include <stdio.h>

void main()

{

int a,b,c;

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

if(a>b&&a>c){

printf("a is the largest number: %d",a);

}

else if(b>a&&b>c){

printf("b is the largest number: %d",b);

}

else if(c>a&&c>b){

printf("c is the largest number: %d",c);

}

else{

printf("Any of the two numbers are equal and larger than remaining number");

}

}

**SMALLEST OF THREE NUMBER**

#include <stdio.h>

void main()

{

int a,b,c;

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

if(a<b&&a<c){

printf("a is the smallest number: %d",a);

}

else if(b<a&&b<c){

printf("b is the smallest number: %d",b);

}

else if(c<a&&c<b){

printf("c is the smallest number: %d",c);

}

else{

printf("Any of the two numbers are equal and smaller than remaining number");

}

}

**Even or odd**

#include <stdio.h>

void main()

{

int a;

scanf("%d",&a);

if(a%2==0){

printf("a is even");

}

else{

printf("a is odd");

}

}

**LEAP YEAR**

#include <stdio.h>

void main()

{

int a;

scanf("%d",&a);

if(a%4==0 && a%400==0){

printf("%d is leap year",a);

}

else{

printf("%d is not a leap year",a);

}

}

**ALPHABET OR NOT**

#include <stdio.h>

void main()

{

char ch;

scanf("%c",&ch);

if((ch>='a'&&ch<='z')||(ch>='A'&&ch<='Z')){

printf("%c is Alphabet",ch);

}

else{

printf("%c is not Alphabet",ch);

}

}

**ALPHABET OR NOT USING ASCII**

#include <stdio.h>

void main()

{

char a;

scanf("%c",&a);

int ch=a;

if((ch>=97&&ch<=122)||(ch>=65&&ch<=90)){

printf("%c is Alphabet",a);

}

else{

printf("%c is not Alphabet",a);

}

}

**VOWELS OR NOT**

#include <stdio.h>

void main()

{

char z;

scanf("%c",&z);

if((z=='a')||(z=='e')||(z=='i')||(z=='o')||(z=='u')||(z=='A')||(z=='E')||(z=='I')||(z=='O')||(z=='U')){

printf("%c is Vowel",z);

}

else{

printf("%c is Consonant",z);

}

}

**VOWELS or NOT using ASCII**

#include <stdio.h>

void main()

{

char z;

scanf("%c",&z);

int b=z;

if((z==97)||(z==101)||(z==105)||(z==111)||(z==117)||(z==65)||(z==69)||(z==73)||(z==79)||(z==85)){

printf("%c is Vowel",z);

}

else{

printf("%c is Consonant",z);

}

}

**TERNARY OPERATOR**

**LARGEST NUMBER**

#include <stdio.h>

void main()

{

int a,b;

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

(a<b)? printf("b is larger than a"):printf("a is larger than b");

}

**SMALLEST NUMBER**

#include <stdio.h>

void main()

{

int a,b;

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

(a<b)? printf("b is larger than a"):printf("a is larger than b");

}

**LARGEST OF THREE NUMBERS**

#include <stdio.h>

void main()

{

int a,b,c;

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

(a>b&&a>c)?printf("a is the largest number: %d",a):(b>a&&b>c)?printf("b is the largest number: %d",b):(c>a&&c>b)?printf("c is the largest number: %d",c):printf("Any of the two numbers are equal and larger than remaining number");

}

**POSITIVE NEGATIVE OR ZERO**

#include <stdio.h>

void main()

{

int a;

scanf("%d",&a);

(a>0)? printf("a is positive"):(a<0)?printf("a is negative"):printf("a is zero");

}

**DIVISIBLE BY 5 AND 11**

#include <stdio.h>

void main()

{

int a;

scanf("%d",&a);

(a%5==0&&a%11==0)?printf("a is divisible by 5 and 11"):printf("a is not divisible by 5 and 11");

}

**EVEN OR ODD**

#include <stdio.h>

void main()

{

int a;

scanf("%d",&a);

(a%2==0)?printf("a is EVEN"):printf("a is ODD");

}

**Leap year or not**

#include <stdio.h>

void main()

{

int a;

scanf("%d",&a);

(a%4==0&&a%400==0)?printf("%d is leap year",a):printf("%d is not leap year",a);

}

**ALPHABET OR NOT**

#include <stdio.h>

void main()

{

char al;

scanf("%c",&al);

((al>='a'&&al<='z')||(al>='A'&&al<='Z'))?printf("%c is Alphabet",al):printf("%c is not Alphabet",al);

}

**Vowel or consonant**

#include <stdio.h>

void main()

{

char z;

scanf("%c",&z);

((z=='a')||(z=='e')||(z=='i')||(z=='o')||(z=='u')||(z=='A')||(z=='E')||(z=='I')||(z=='O')||(z=='U'))?printf("%c is VOWEL",z):printf("%c is CONSONANT",z);

}

**Upper and lower case**

#include <stdio.h>

void main()

{

char al;

scanf("%c",&al);

(al>='a'&&al<='z')?printf("%c is LOWER CASE",al):printf("%c is UPPER CASE",al);

}

**CHARACTER , INTEGER OR SPECIAL CHARACTER**

#include <stdio.h>

void main()

{

char al;

scanf("%c",&al);

((al>='a'&&al<='z')||(al>='A'&&al<='Z'))? printf("%c is CHARACTER",al):

(al>=0||al<=99)?printf("%c is INTEGER",al) :

printf("%c is SPECIAL CHARACTER",al);

}

**SWITCH CASE**

**DAY OF THE WEEK**

#include <stdio.h>

void main()

{

int a;

scanf("%d",&a);

switch(a){

case 1:

printf("SUNDAY");

break;

case 2:

printf("MONDAY");

break;

case 3:

printf("TUESDAY");

break;

case 4:

printf("WEDNESDAY");

break;

case 5:

printf("THURSDAY");

break;

case 6:

printf("FRIDAY");

break;

case 7:

printf("SATURDAY");

break;

default:

printf("enter the value");

}

}

**DAYS IN A MONTH**

#include <stdio.h>

void main()

{

int a;

scanf("%d",&a);

switch(a){

case 1:

printf("31 DAYS");

break;

case 2:

printf("28 DAYS");

break;

case 3:

printf("31 DAYS");

break;

case 4:

printf("30 DAYS");

break;

case 5:

printf("31 DAYS");

break;

case 6:

printf("30 DAYS");

break;

case 7:

printf("31 DAYS");

break;

case 8:

printf("31 DAYS");

break;

case 9:

printf("30 DAYS");

break;

case 10:

printf("31 DAYS");

break;

case 11:

printf("30 DAYS");

break;

case 12:

printf("31 DAYS");

break;

default:

printf("enter the value");

}

}

**Vowels or consonant**

#include <stdio.h>

void main()

{

char a;

scanf("%c",&a);

switch(a){

case 'A':

case 'E':

case 'I':

case 'O':

case 'U':

case 'a':

case 'e':

case 'i':

case 'o':

case 'u':

printf("VOWELS");

break;

default:

printf("CONSONANT");

}

}

**LARGEST NUMBER**

#include <stdio.h>

void main()

{

int a,b;

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

switch(a>b){

case 1:

printf("a is larger than b");

break;

default:

printf("b is larger than a");

}

}

**ODD OR EVEN**

#include <stdio.h>

void main()

{

int a;

scanf("%d",&a);

switch(a%2==0){

case 1:

printf("a is EVEN");

break;

default:

printf("a is ODD");

}

}

**Positive or negative or zero**

#include <stdio.h>

void main()

{

int a;

scanf("%d",&a);

switch(a>0){

case 1:

printf("a is POSITIVE");

break;

case 0:

switch(a<0){

case 1:

printf("a is NEGATIVE");

break;

case 0:

printf("a is ZERO");

break;

}

}

}

**CALCULATOR**

#include <stdio.h>

void main()

{

char op;

float a,b;

scanf("%c",&op);

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

switch(op){

case '+':

printf("%f+%f=%f",a,b,a+b);

break;

case '-':

printf("%f-%f=%f",a,b,a-b);

break;

case '\*':

printf("%f\*%f=%f",a,b,a\*b);

break;

case '/':

printf("%f/%f=%f",a,b,a/b);

break;

}

}

**While loop**

#include<stdio.h>

void main(){

int a,i=1;

scanf("%d",&a);

while(i<a){

printf("%d ",i);

i++;

}

}

#include<stdio.h>

void main(){

int i;

scanf("%d",&i);

while(i>0){

printf("%d ",i);

i--;

}

}

#include<stdio.h>

void main(){

char s=65;

while(s<=90){

printf("%c",s);

s++;

}

}

#include<stdio.h>

void main(){

int a;

scanf("%d",&a);

while(a<=100)

{

printf("%d ",a);

a=a+2;

}

}