//swapping 2 numbers

#include<stdio.h>

int main()

{

int a,b,t,choice;

printf("\nEnter two numbers : \n");

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

printf("\nEnter 1 if you want to swap with temp variable, else 0");

scanf("%d",&choice);

if(choice==1)

{

t=a;

a=b;

b=t;

}

else

{

a=a+b;

b=a-b;

a=a-b;

}

printf("The numbers are %d and %d\n",a,b);

return 0;

}

//ASCII Code

#include<stdio.h>

void main()

{

char c;

printf("\nEnter the symbol whose ASCII value you want to know : ");

scanf("%c",&c);

printf("\nThe ASCII value of %c is %d \n",c,c);

}

//Floor and Ceil

#include<stdio.h>

void main()

{

float a;

int b,c;

printf("Enter the number : ");

scanf("%f",&a);

b=(int)a;

c=(b>0?b:-b);

if(b>0)

printf("\nIts floor is %d \n Its ceil is %d\n",c,c+1);

else

printf("\nIts floor is %d \n Its ceil is %d\n",-c-1,-c);

}

//greatest number with if else

#include<stdio.h>

int main()

{

printf("\nEnter 3 numbers : ");

int a,b,c;

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

if(a>b&&a>c)

printf("\nThe greatest number is %d.",a);

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

printf("\nThe greatest number is %d",b);

else

printf("\nThe greatest number is %d",c);

}

//greatest number using ternary operator

#include<stdio.h>

int main()

{

printf("\nEnter 3 numbers : ");

int a,b,c,d;

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

d=(a>b)?((a>c)?a:c):((b>c)?b:c);

printf("The greatest value is %d \n",d);

}

//sizeof()

#include<stdio.h>

int main()

{

char c;

int i;

float f;

double d;

printf("\nThe size of character is %d\nThe size of integer is %d\nThe size of float is %d\nThe size of double is %d\n",sizeof(c),sizeof(i),sizeof(f),sizeof(d));

}

//time format

#include<stdio.h>

void main()

{

printf("\nEnter the time in hh:mm:ss format:");

int h,m,s;

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

printf("\nThe input is %d:%d:%d",h,m,s);

}

//decimal to octal and hex

#include<stdio.h>

int main()

{

printf("\nEnter decimal integer\n");

int a;

scanf("%d",&a);

printf(" %d in octal is %#o and in hex is %#x\n",a,a,a);

}