SHEET #0

1. #include<stdio.h>

int main(){

printf("Welcome!\nYou are able to test your skill of writing C code here.\n");

}

1. #include<stdio.h>

int main(){

int x , y ;

float z;

x = 10 ;

y = 15 ;

z = 12.6 ;

printf("(%d , %d , %.1f) \n",x,y,z);

}

1. #include<stdio.h>

int main(){

int x , y , z ;

printf("Enter three integer values to display them in the reversed order: ");

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

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

}

1. #include<stdio.h>

#include<math.h>

int main(){

int x , y ;

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

int p = x\*y ;

int s = x+y ;

int total = pow(s,2) + p\*(s-x)\*(p+y);

printf("%d",total);

}

1. #include<stdio.h>

int main(){

float b , h ;

printf("Enter the base of the triangle: ");

scanf("%f",&b);

printf("Enter the height of the triangle: ");

scanf("%f",&h);

printf("Area = %.2f cm^2.",.5\*b\*h);

}

1. #include<stdio.h>

int main(){

int x , y , z , g ;

printf("Enter the first number: ");

scanf("%d",&x);

printf("Enter the second number: ");

scanf("%d",&y);

printf("Enter the third number: ");

scanf("%d",&z);

if(x>=y && x>=z){g=x;}

else if(y>=x && y>=z){g=y;}

else{g=z;}

printf("\n%d is the greatest.\n",g);

}

1. #include<stdio.h>

int main(){

float x , y , z , av ;

char c ;

printf("Enter the first score: ");

scanf("%f",&x);

printf("Enter the second score: ");

scanf("%f",&y);

printf("Enter the third score: ");

scanf("%f",&z);

av = (x+y+z)/3.0 ;

if(av>=90){c='A';}

else if(av>=70 && av<90){c='B';}

else if(av>=50 && av<70){c='C';}

else{c='F';}

printf("\nYour grade is %c .\n",c);

}

1. #include<stdio.h>

int main(){

int x;

printf("Enter a number to find whether it is even or odd: ");

scanf("%d",&x);

if(x%2==0){printf("\nEVEN NUMBER!\n");}

if(x%2!=0){printf("\nODD NUMBER!\n");}

}

1. #include<stdio.h>

int main(){

int x , y ;

printf("Enter two numbers to compare between them: ");

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

if(x>y){printf("\n%d is greater than %d .\n",x,y);}

else if(x<y){printf("\n%d is greater than %d .\n",y,x);}

else{printf("\n%d and %d are equal!\n",x,y);}

}

1. #include<stdio.h>

int main(){

int x , y ;

printf("Enter two numbers to compare between them: ");

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else{printf("\n%d and %d are equal!\n",x,y);}

}

1. #include <stdio.h>

#include <math.h>

int main(){

int num1 , num2 ;

char op;

printf("Enter two integers with an operator between them:\n");

scanf("%d %c %d", &num1 , &op , &num2);

if(op == '+'){

printf("%d" , num1 + num2 );

}

else if(op == '\*'){

printf("%d",num1\*num2);

}

else if(op == '-'){

printf("%d",num1-num2);

}

else if(op == '/'){

if(num2!= 0){

printf("%d",num1/num2);

}

else{

printf("MATH ERROR.");

}

}

else if(op == '%'){

printf("%d" , num1 % num2 );

}

else{

printf("Invalid.");

}

}

1. #include<stdio.h>

int main(){

for(int rows=7 ; rows>=1 ; rows--){

for(int i=rows ; i>=1 ; i--){

printf("\*");

}

printf("\n");

}

}

1. #include<stdio.h>

int main(){

for(int rows=1 ; rows<=9 ; rows+=2){

for(int i=1 ; i<=rows ; i++){

printf("\*");

}

printf("\n");

}

for(int rows=1 ; rows<=9 ; rows+=2){

for(int i=9 ; i>=rows ; i--){

printf("\*");

}

printf("\n");

}

}

1. #include<stdio.h>

int main(){

int n , sum=0 ;

printf("Enter a number to calculate the sum of all numbers from one to it: ");

scanf("%d",&n);

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

sum+=i;

}

printf("\nSUM = %d\n",sum);

}

1. #include<stdio.h>

int main(){

int x , sum=0 ;

printf("Enter a number to calculate the sum of it's digits: ");

scanf("%d",&x);

while(x!=0){

sum+=x%10;

x/=10;

}

printf("\nSum of all digits = %d\n",sum);

}

Thank you!