1. Write a C program to find maximum between two numbers.

#include <stdio.h>

Int main() {

int a,b;

printf("Enter two numbers");

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

if (a > b){

printf("%d is greater than %d",a,b);

}

else if (a == b){

printf("%d is equal to %d",a,b);

}

else{

printf("%d is greater than %d",b,a);

}

return 0;

1. Write a C program to find maximum between three numbers.

#include <stdio.h>

int main(){

// int a,b,c;

// printf("Enter three numbers");

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

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

// printf("%d is the greatest of all the three",a);

// }

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

// printf("%d is the greatest of all the three",b);

// }

// else {

// printf("%d is the greatest of the the three",c);

// }

// return 0;

// }

1. Write a C program to check whether a number is negative, positive or zero.

#include <stdio.h>

int main(){

// int a;

// printf("Enter a number");

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

// if (a > 0){

// printf("%d is positive",a);

// }

// else if(a < 0){

// printf("%d is negative",a);

// }

// else{

// printf("%d is equal to zero",a);

// }

// return 0;

// }

1. Write a C program to check whether a number is divisible by 5 and 11 or not.

int main(){

// int a;

// printf("Enter a number");

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

// if ( a %5==0 && a%11==0){

// printf("%d is divisible by 5 and 11",a);

// }

// else {

// printf("%d is not divisible by 5 and 11",a);

// }

// return 0;

1. Write a C program to check whether a number is even or odd.

int main(){

// int a;

// printf("Enter a number:");

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

// if (a%2==0){

// printf("The number is even");

// }

// else {

// printf("The number is odd");

// }

// return 0;

// }

1. Write a C program to check whether a year is leap year or not.

int main(){

// int a;

// printf("Enter the year:");

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

// if (a % 4 == 0){

// printf("They year is a leap year");

// }

// else{

// printf("The year is not a leap year");

// }

// return 0;

1. Write a C program to check whether a character is alphabet or not.

#include<ctype.h>

// int main(){

// char a;

// printf("Enter an alphabet:");

// a = getchar();

// if (isalpha(a)>0){

// printf("%c is an alphabet",a);

// }

// else {

// printf("%c is not an alphabet",a);

// }

// return 0;

// }

1. Write a C program to input any alphabet and check whether it is vowel or consonant

int main(){

// char a;

// printf("Enter an alphabet:");

// a = getchar();

// if (isalpha(a)>0 && a=='a','e','i','o','u'){

// printf("%c is an alphabet and a vowel",a);

// }

// else if (isalpha(a)>0 && a!='a','e','i','o','u'){

// printf("%c is an alphabet and a consonent",a);

// }

// else {

// printf("%c is not an alphabet",a);

// }

// return 0;

// }

1. Write a C program to input any character and check whether it is alphabet, digit or special character.

int main(){

// char a;

// printf("Enter a character");

// a = getchar();

// if (isalpha(a)>0){

// printf("Alphabet");

// }

// else if(isdigit(a)>0){

// printf("Digit");

// }

// else {

// printf("Special Character");

// }

// return 0;

// }

1. Write a C program to check whether a character is uppercase or lowercase alphabet.

int main(){

// char a;

// printf("Enter a alphabet");

// a = getchar();

// if (isupper(a)>0){

// printf("Upper Case");

// }

// else if(islower(a)>0){

// printf("Lower Case");

// }

// else{

// printf("Not an alphabet");

// }

// return 0;

// }

1. Write a C program to input week number and print week day

int main(){

// int w;

// printf("Enter a digit from 1 to 7");

// scanf("%d",&w);

// switch(w){

// case 1:

// printf("Monday");

// break;

// case 2:

// printf("Tuesday");

// break;

// case 3:

// printf("Wednesday");

// break;

// case 4:

// printf("Thursday");

// break;

// case 5:

// printf("Friday");

// break;

// case 6:

// printf("Saturday");

// break;

// case 7:

// printf("Sunday");

// break;

// default:

// printf("Wrong Input");

// break;

// }

// return 0;

// }

1. Write a C program to input month number and print number of days in that month

int main(){

// int m;

// printf("Enter month number:");

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

// switch(m){

// case 1:

// printf("31");

// break;

// case 2:

// printf("28");

// break;

// case 3:

// printf("31");

// break;

// case 4:

// printf("30");

// break;

// case 5:

// printf("31");

// break;

// case 6:

// printf("30");

// break;

// case 7:

// printf("31");

// break;

// case 8:

// printf("31");

// break;

// case 9:

// printf("30");

// break;

// case 10:

// printf("31");

// break;

// case 11:

// printf("30");

// break;

// case 12:

// printf("31");

// break;

// default:

// printf("Wrong Input");

// break;

// }

// return 0;

// }

1. Write a C program to count total number of notes in given amount

int main(){

// int m,n;

// printf("Enter amount in inr");

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

// if (m>500){

// printf("%d 500inr notes",m/500);

// }

// else if(m>200){

// printf("%d 200 inr notes",m/200);

// }

// else if(m>100){

// printf("%d 100 inr notes",m/100);

// }

// else if(m>50){

// printf("%d 50 inr notes",m/50);

// }

// else if(m>10){

// printf("%d 10 inr notes",m/10);

// }

// else{

// printf("%d 1 inr demonitions",m);

// }

// return 0;

// }

1. Write a C program to input angles of a triangle and check whether triangle is valid or not.

int main(){

// float a,b,c,sum;

// printf("Input three angles of a triangle");

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

// sum = a+b+c;

// if (sum==180){

// printf("Triangle is valid");

// }

// else {

// printf("Triangle is invalid");

// }

// return 0;

// }

1. Write a C program to input all sides of a triangle and check whether triangle is valid or not.

int main(){

// int a,b,c;

// printf("Enter the sides of a triangle");

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

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

// printf("Triangle is Valid");

// }

// else{

// printf("Triangle is invalid");

// }

// }

1. Write a C program to check whether the triangle is equilateral, isosceles or scalene triangle.

int main(){

// int s1,s2,s3;

// printf("Enter the three sides of a triangle");

// scanf("%d %d %d",&s1,&s2,&s3);

// if (s1==s2&&s1==s3){

// printf("The Triangle is Equilateral");

// }

// else if (s1==s2||s1==s3||s2==s3){

// printf("The triangle is isocsles");

// }

// else{

// printf("The triangle is scalene");

// }

// return 0;

// }

1. Write a C program to find all roots of a quadratic equation

int main(){

// int a,b,c,r1,r2;

// printf("Enter the coefficient of x^2");

// scanf("%d\n",&a);

// printf("Enter the coefficient of x");

// scanf("%d\n",&b);

// printf("Enter the constant");

// scanf("%d\n",&c);

// r1 = -b/a;

// r2 = c/a;

// printf("The roots of the quadratic equation %dx^2+%dx+%d are %d and %d",a,b,c,r1,r2);

// return 0;

// }

1. Write a C program to calculate profit or loss.

int main(){

// int r,s;

// printf("Enter Your Revenue");

// scanf("%d",&r);

// printf("Enter your spending");

// scanf("%d",&s);

// if (r>s){

// printf("You have made a profit of %d",r-s);

// }

// else if (r<s){

// printf("You have made a loss of %d",s-r);

// }

// else{

// printf("You have made 0");

// }

// return 0;

1. Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following: Percentage >= 90% : Grade A Percentage >= 80% : Grade B Percentage >= 70% : Grade C Percentage >= 60% : Grade D Percentage >= 40% : Grade E Percentage < 40% : Grade F

Percentage >= 90% : Grade A

// Percentage >= 80% : Grade B

// Percentage >= 70% : Grade C

// Percentage >= 60% : Grade D

// Percentage >= 40% : Grade E

// Percentage < 40% : Grade F

// int main(){

// int p;

// printf("Enter your percentage");

// scanf("%d",&p);

// if (p >= 90){

// printf("Your grade is A");

// }

// else if (p>=80){

// printf("Your grade is B");

// }

// else if (p>=70){

// printf("Your grade is C");

// }

// else if (p>=60){

// printf("Your grade is D");

// }

// else if (p>=40){

// printf("Your grade is E");

// }

// else{

// printf("Your grade is F");

// }

// return 0;

// }

1. Write a C program to input electricity unit charges and calculate total electricity bill according to the given condition:

For first 50 units Rs. 0.50/unit For next 100 units Rs. 0.75/unit For next 100 units Rs. 1.20/unit For unit above 250 Rs. 1.50/unit An additional surcharge of 20% is added to the bill.

int main(){

// float units,b;

// printf("Enter your electric units");

// scanf("%f\n",&units);

// if (units<=50.0){

// b = units\*1/2;

// printf("Your Electric bill is %f",b);

// }

// else if (units>50&&units<=150){

// b = units\*0.75;

// printf("Your electric bill is %f",b);

// }

// else if (units>150&&units<=250){

// b = units\*1.2;

// printf("Your electric bill is %f",units\*b);

// }

// else{

// b = units\*2.7;

// printf("Your Electric bill is %f",b);

// }

// return 0;

// }