Armstrong user

#include<stdio.h>

int armstrong(int);

int main(){

int numb,sum,entr;

printf("\n Give an Integer number: \n");

scanf("%d",&numb);

entr = numb;

sum = armstrong(numb);

if(sum == entr)

printf("\n The Number %d is Armstrong ",entr);

else

printf("\n The Number %d is not Armstrong Number",entr);

return 0;

}

int armstrong(int n){

int nr, digits=0, i, rem, s=0, m=1;

nr=n;

while(nr>0){

nr = nr / 10;

digits +=1;

}

nr=n;

while(nr!=0){

rem = nr % 10;

nr = nr / 10;

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

m = m\*rem;

}

s +=m;

m=1;

}

return(s);

}

Max min

#include<stdio.h>

int main()

{

int i,a[5],min,max;

printf("enter 5 nos");

for(i=0;i<5;i++)

{

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

}

for(i=0;i<5;i++)

{

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

}

min = a[0];

for(i=0;i<5;i++)

{

if(min>a[i])

min = a[i];

}

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

max = a[i];

for (i=0;i<5;i++)

{

if(max<a[i])

max=a[i];

}

printf("max value is %d",max);

}

Even odd

#include <stdio.h>

#include <stdlib.h>

int find\_Num(int);//function prototype

int main()

{

int num;

printf("Enter a number to check odd or even\n");

scanf("%d",&num);

find\_Num(num);//calling the function

return 0;

}

//create function

int find\_Num(int num){//function definition

if(num%2==0){

printf("\n%d is an even number",num);

}

else{

printf("\n%d is an odd number",num);

}

}

Factorial

#include<stdio.h>

int fact(int);

int main()

{

int no,factorial;

printf("Enter a number to calculate it's factorial\n");

scanf("%d",&no);

factorial=fact(no);

printf("Factorial of the num(%d) = %d\n",no,factorial);

//printf("Factorial of the num(%d) = %d\n",no,fact(no));//another way of calling a function//comment above two lines if you want to use this

}

int fact(int n)

{

int i,f=1;

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

{

f=f\*i;

}

return f;

}

Prime

#include <stdio.h>

void prime(int);

int main()

{

int n;

printf("Enter any number\n");

scanf("%d",&n);

prime(n);

}

void prime(int n)

{

int i,c=0;

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

{

if (n%i==0)

{

c++;

}

}

if(c==2)

{

printf("\n%d is a Prime number",n);

}

else

{

printf("\n%d is not a Prime number",n);

}

}

Transpose

#include <stdio.h>

int main()

{

int a[3][3],i,j;

printf("enter value");

for(i=0;i<=2;i++)

{

for (j=0;j<=2;j++)

{

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

}

}

for(i=0;i<=2;i++)

{

for (j=0;j<=2;j++)

{

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

}

printf("\n");

}

printf("transpose of matrix\n");

for(i=0;i<=2;i++)

{

for(j=0;j<=2;j++)

{

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

}

printf("\n");

}

}

Swappi

#include<stdio.h>

void swap(int, int);

int main()

{

int a, b;

printf("Enter values for a and b\n");

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

printf("\n\nBefore swapping: a = %d and b = %d\n", a, b);

swap(a, b);

return 0;

}

void swap(int x, int y)

{

int temp;

temp = x;

x = y;

y = temp;

printf("\nAfter swapping: a = %d and b = %d\n", x, y);

}

Add

#include<stdio.h>

int add (int, int);

int a,b;

int main ()

{

int c;

printf ("\n Enter 1st number - ");

scanf ("%d", &a);

printf ("\n Enter 2nd number - ");

scanf ("%d", &b) ;

c=add (a, b);

printf ("\nAddition of the given numbers is - %d",c);

}

int add (int x,int y)

{

int z=x+y;

return z;

}

Sub

#include<stdio.h>

void sub ();

int a, b;

main()

{

int c;

printf ("\n Enter 1st Number - ");

scanf ("%d", &a);

printf ("\n Enter 2nd Number - "),

scanf ("%d", &b);

sub ();

}

void sub ()

{

int z=a-b;

printf ("\nSubtraction is %d", z);

}

Multi

#include<stdio.h>

int product();

int a, b;

int main()

{

int c;

printf ("\n Enter Ist number - ");

scanf ("%d", &a);

printf ("\n Enter 2nd number - ");

scanf ("%d", &b);

c=product(a,b);

printf ("InProduct is %d", c);

}

int product ()

{

int z=a\*b;

return z;

}

Div

#include<stdio.h>

void Division (int,int);

int a,b;

int main ()

{

printf("\n Enter Numerator - ");

scanf ("%d", &a) ;

printf ("\n Enter Denominator - ");

scanf ("%d", &b) ;

Division (a,b);

}

void Division (int x,int y)

{

int z=x/y;

printf ("\nDivision is %d", z);

}

Array

#include<stdio.h>

int main()

{

int shreya[]={1,2,3,4,5,6,7,8,9};

printf("%d",shreya[4]);

return 0;

}

Reverse array

#include<stdio.h>

int main()

{

int shreya[]={1,2,3,4,5,6,7,8,9};

int i;

for(i=7;i>=0;i--)

{

printf("%d",shreya[i]);

}

return 0;

}

Array

for(i=0;i<=7;i++)

array input

#include<stdio.h>

int main()

{

int c[6];

int i;

for(i=0;i<=5;i++)

{

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

}

for(i=5;i>=0;i--)

{

printf("%d",c[i]);

}

return 0;

}