*Exercise 30/09/2021*

1.wap to input a number and print only odd digit number.

#include<stdio.h>

void main()

{

int n,rem;

printf("Enter a number ");

scanf("%d",&n);

while(n>0)

{

rem=n%10;

if(rem%2==1)

printf(" odd value is = %d\n",rem);

n=n/10;

}

}

2.wap to input a number and print of 1 at the place of odd

even digits and print 0 at the place of odd digits.

#include<stdio.h>

void main()

{

int n,rem;

printf("Enter a number ");

scanf("%d",&n);

while(n>0)//21

{

rem=n%10;

if(rem%2==1)

printf(" replace value is = %d\n",1);

else

{

printf(" replace value is = %d\n",0);

}

n=n/10;

}

}

3. wap to input a number and print sum of even digits and sum of odd digits.

#include<stdio.h>

void main()

{

int num,rem,odd=0,even=0;

printf("Enter a Number :");

scanf("%d",&num);

while(num>0)

{

rem=num%10;

if(rem%2==0)

{

// printf("%d",rem);

even=even+rem;

}

else{

// printf("%d",rem);

odd=odd+rem;

}

num=num/10;

}

printf("\nTotal num of sum for even digits =%d",even);

printf("\nTotal num of sum for odd digits =%d",odd);

}

4. wap to input a number and count how many digits is even and how many digits are odd.

#include<stdio.h>

void main()

{

int num,ev=0,odd=0,rem;

printf("Enter a Number :");

scanf("%d",&num);

while(num>0)

{

rem=num%10;

if(rem%2==0)

{

ev++;

}

else {

odd++;

}

num=num/10;

}

printf("Total even number is : %d",ev);

printf("\nTotal odd number is : %d",odd);

}

5.wap to input a 2 digit number and print tens digit and once digit.

#include<stdio.h>

void main()

{

int num,rem,count=0;

printf("Enter a number only 2 digits. : ");

scanf("%d",&num);

while(num>0)

{

rem=num%10;

count++;

switch(count)

{

case 1:

printf("%d is a place of 1 digit\n",rem);

break;

case 2:

printf("\n%d is a place of 10 digit",rem);

break;

default:

printf("please enter only 2 digits ");

break;

}

num=num/10;

}

}

6.wap to remove all 0 from a number.

#include<stdio.h>

void main()

{

int num,temp,rem,sum=0,r,result=0;

printf("Enter a number :");

scanf("%d",&num);

while(num>0)

{

rem=num%10;

if(rem==0)

{

}

else{

sum=sum\*10+rem;

}

num=num/10;

}

// printf("reverse : %d",sum);

temp=sum;

while(temp>0)

{

r=temp%10;

result=result\*10+r;

temp=temp/10;

}

printf("\n\nRemove all 0 digit then number is = %d",result);

}

7.wap to input two number from while user choice is 1 and print sum of all numbers.

#include<stdio.h>

void main()

{

float x,y,sum;

char ch;

do{

printf ("Enter the first number:");

scanf ("%f",&x);

printf ("Enter the second number:");

scanf ("%f",&y);

sum=x+y;

printf ("The total number is:%.1f",sum);

printf ("\n\nDo you want to continue: y/n :");

scanf (" %c", &ch);

}

while(ch == 'y');

}

wap to print only 5 number that is divisible by 3 and 5 both within a given series.

#include<stdio.h>

void main()

{

int i,n,count=0;

printf("Enter a starting of series :");

scanf("%d",&i);

printf("Enter a starting of series :");

scanf("%d",&n);

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

{

if(i%3==0&&i%5==0)

{

printf("%d\n",i);

count++;

}

if(count==5)

break;

}

}

wap to print all even number within a given series only if number is less than 100.

#include<stdio.h>

void main()

{

int i,n;

printf("Enter a starting of series :");

scanf("%d",&i);

printf("Enter a starting of series :");

scanf("%d",&n);

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

{

if(i%2==0&&i<100)

{

printf("%d\n",i);

}

}

}

wap to input number and print factorial of number untill user input 0 or 1.

#include<stdio.h>

void main()

{

int i,num;

long fact=1;

fact1:

fact=1;

printf("Enter a number :");

scanf("%d",&num);

if(num==1||num==0){

goto end;

}

else{

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

{

fact=fact\*i;

}

printf("%d of factorial value is =%ld\n\n",num,fact);

}

fflush(stdin);

goto fact1;

end:

printf("Sorry ! don't Enter 0 or 1");

}

wap to input multiple value from user and find sum of all values untill user inputs

a negatives value.

#include<stdio.h>

void main()

{

int num,sum=0;

vinay:

if(num<0)

goto end;

printf("Enter a number :");

scanf("%d",&num);

sum=sum+num;

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

goto vinay;

end:

printf("sorry ! you Entered negative value");

}

wap to find a number is even or odd by using switch.

#include<stdio.h>

void main()

{

int num;

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

scanf("%d",&num);

switch(num%2==0){

case 1:

printf("even number");

break;

case 0:

printf("odd number ");

}

}