Odd or even(nested if-else)

#include<stdio.h>

main()

{

int n;

printf("Enter the value of n:");

scanf("%d",&n);

if(n%2==0)

{

printf("n is even",n);

}

else

{

printf("n is odd",n);

}

}

Largest of 3 numbers using simple if

#include<stdio.h>

main()

{

int a,b,c;

printf("Enter three numbers");

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

if(a>b&&a>c)

{

printf("a is largest",a);

}

else

{

if(b>a&&b>c)

{

printf("b is largest",b);

}

else

{

printf("c is largest",c);

}

}}

Program to find whether a number is a leap year or not (if-else)

# include<stdio.h>

void main()

{

int a;

printf("Enter the year");

scanf("%d",&a);

if(a%4==0)

{

printf("Leap year");

}

else

{

printf("Not leap year");

}

}

Multiplication table

#include<stdio.h>

main()

{

int i,n;

printf("Enter a number:");

scanf("%d",&n);

for(i=1;i<=10;i++)

{

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

}

}

Sum of first n natural numbers(do while)

#include<stdio.h>

main()

{

int i,n,sum=0;

printf("Enter the number:");

scanf("%d",&n);

do

{

sum=sum+i;

i++;

}

while(i<=n);

printf("The sum=%d",sum);

}

Program to demonstrate continue

#include<stdio.h>

main()

{

int n,p,i;

printf("enter a number\n");

scanf("%d",&n);

for(i=0;i<=10;i++)

{

p=i\*n;

if(i==5)

{

continue;

printf("%d",p);

}

}

}

Program to demonstrate goto

#include<stdio.h>

main()

{

int i,s;

int sum=0;

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

{

sum=sum+i;

if(i==s)

goto label;

break;

}

label:

printf("sum is%d",sum);

}

Amstrong number(while)

#include<stdio.h>

void main()

{

int 1,n,d,i;

printf("enter the limit");

scanf("%d",&1);

printf("amstrong numbers are");

i=1;

while(i<=10

{

int p,s;

n=i;

s=0;

while(n>0)

{

d=n%10;

p=d\*d\*d;

s=s+p;

n=n/10;

}

if(s==i)

{

printf("%d",i);

}

i++;

}

}

Equation y=x^n (while)

#include<stdio.h>

main()

{

int n,count;

float x,y;

printf("enter value of X and n");

scanf("%f%d",&x,&n);

y=2.1;

count=1;

while(count<=n)

{

y=y\*x;

count++;

}

printf("x=%f\n n=%d\n power n=%f",x,n,y);

}

Fibinacci (while)

#include<stdio.h>

main()

{

int t1=0,t2=1,nextterm=0,n;

printf("enter a number");

scanf("%d",&n);

printf("fibonacci series%d%d",t1,t2);

nextterm=t1+t2;

while(nextterm<=n)

{

printf("%d",nextterm);

t1=t2;

t2=nextterm=t1+t2;

}

}