ARMSTRONG NO:

#include<stdio.h>

#include<math.h>

main()

{

int n,a,n1,n2,i,s;

printf("Enter the no =");

scanf("%d",&n);

i=0;

n1=n;

n2=n;

s=0;

while(n1!=0)

{

n1=n1/10;

i++;

}

do

{

a=n2%10;

s=s+pow(a,i);

n2=n2/10;

}

while(n2!=0);

if(s==n)

printf("%d is an ARMSTRONG NO.",n);

else

printf("%d is NOT AN ARMSTRONG NO.",n);

}

PATTERN:

#include<stdio.h>

main()

{

int n,i,j,k,m;

printf("Enter the no of terms =");

scanf("%d",&n);

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

{

for(j=n-1;j>=i;j--)

{

printf(" ");

}

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

{

printf(" %d",k);

}

for(m=i-1;m>=1;m--)

{

printf(" %d",m);

}

printf("\n");

}

}

FIBONACCI SERIES:

#include<stdio.h>

main()

{

int n,a,b,c,i;

printf("Enter the no of terms=");

scanf("%d",&n);

a=0;

b=1;

printf(" %d %d",a,b);

for(i=1;i<=n-2;i++)

{

c=a+b;

a=b;

b=c;

printf(" %d",c);

}

}