

```
1 int n,c,r,s=1;
2 printf("Enter the number of rows: ");
3 scanf("%d",&n);
4 printf("\n");
5 s=n-1;
6 for(r=1;r<=n;r++)
7 {
8     for(c=1;c<=s;c++)
9         printf(" ");
10    s--;
11    for(c=1;c<=2*r-1;c++)
12        printf("*");
13    printf("\n");
14 }
15 s=1;
16 for(r=1;r<=n-1;r++)
17 {
18     for(c=1;c<=s;c++)
19         printf(" ");
20     s++;
21     for(c=1;c<=2*(n-r)-1;c++)
22         printf("*");
23     printf("\n");
24 }
25 return 0;
26 }
```

Enter the number of rows:

Enter the number of rows:

*

*

Activate Windows
Go to Settings to activate Windows.

```
Run Save
1 #include <stdio.h>
2 int main()
3 {
4     int fib1=0, fib2=1, fib3, n, c=0;
5     printf("enter the number:");
6     scanf("%d", &n);
7     printf("\nfirst %d fibonacci numbers are:", n);
8     printf("\n  %d", fib1);
9     printf("  %d", fib2);
10    c=2;
11    while(c<n)
12    {
13        fib3=fib1+fib2;
14        c++;
15        printf("  %d", fib3);
16        fib1=fib2;
17        fib2=fib3;
18    }
19    return 0;
20 }
```

6

enter the number:
first 6 fibonacci numbers are:
0 1 1 2 3 5
Activate Windows
Go to Settings to activate Windows.

Type here to search

ENG 12:52 AM
IN 5/4/2023

```
1 #include<stdio.h>
2 int main(){
3     int num;
4     int count;
5     scanf("%d",&num);
6     while(2<=num/2){
7         if(num%2==0)
8             count=1;
9         break;
10    }
11    if(count==0)
12        printf("prime number");
13    else
14        printf("not a prime number");
15
16    return 0;
17 }
```

6


not a prime number

Activate Windows
Go to Settings to activate Windows.

```
Run Save
1 #include<stdio.h>
2 int main()
3 {
4     int r,c,n;
5     printf("enter the number of rows:\n");
6     scanf("%d",&n);
7     printf("\n");
8     for(r=0;r<n;r++)
9     {
10         for(c=n-1;c>r;c--)
11         {
12             printf(" ");
13         }
14         for(c=0;c<=r;c++)
15         {
16             printf("* ");
17         }
18     }
19     printf("\n");
20 }
21 return 0;
22
23 }
```

8

enter the number of rows:



Activate Windows
Go to Settings to activate Windows.

ENG 1:14 AM
11/1/2022

```
#include<stdio.h>
int main(){
    int num;
    printf("enter the number:\n");
    scanf("%d",&num);
    int i;
    for(i=1;i<=num;i++){
        printf("  %d",i);
    }
    return 0;
}
```

5

enter the number:

0 1 2 3 4 5

Run Save Changes Updated, Saved 25

```
#include<stdio.h>
int main()
{
    int num,i;
    int fact=1;
    printf("enter a number:\n");
    scanf("%d",&num);
    for(i=1;i<=num;i++)
    {
        fact=fact*i;
    }
    printf("the factorial of the number is %d",fact);
    return 0;
}
```

4

I
enter a number:
the factorial of the number is 24

Activate Windows
Go to Settings to activate Windows.

Run Save

```
#include<stdio.h>
int main()
{
    int num,original_num,rem,result=0;
    printf("enter A three-digit number\n");
    scanf("%d",&num);
    original_num=num;
    while(original_num!=0){
        rem=original_num%10;
        result+=rem*rem*rem;
        original_num/=10;
    }
    if(result==num)
        printf("%d is a Armstrong number",num);
    else
        printf("%d is not a Armstrong number",num);
    return 0;
}
```

6

enter A three-digit number
1634 is not a Armstrong number

Activate Windows
Go to Settings to activate Windows

```
#include<stdio.h>
int main()
{
    int i=1,num,sum=0;
    printf("enter a number:\n");
    scanf("%d",&num);
    while(i<num)
    {
        if(num%i==0)
            sum=sum+i;
        i++;
    }
    if(sum==num)
        printf("%d is a perfect number",num);
    else
        printf("%d is not a perfect number",num);
    return 0;
}
```

6

enter a number:
9 is a perfect number

Active Windows


```
1 #include<stdio.h>
2 int main()
3 {
4     int num,original_num,rem,result=0;
5     printf("enter A three-digit number\n");
6     scanf("%d",&num);
7     original_num=num;
8     while(original_num!=0){
9         rem=original_num%10;
10        result+=rem*rem*rem;
11        original_num/=10;
12    }
13    if(result==num)
14        printf("%d is a Armstrong number",num);
15    else
16        printf("%d is not a Armstrong number",num);
17    return 0;
18 }
```

153

enter A thre
153 is a Arm