

```

2) * * * * *
   * * * *
    * * *
     * *
      *
       *

```

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main()
```

```
{
```

```
    int i=0, j=0, k=0;
```

```
    for(i=1; i<=5; i++)
```

```
    {
```

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

```
        {
```

```
            printf(" ");
```

```
        }
```

```
        for(j=1; j<=5; j++)
```

```
        {
```

```
            printf("* ");
```

```
        }
```

```
        printf("\n");
```

```
    }
```

```
    getch();
```

```
}
```

```
3> 1 2 3 4 5
    2 3 4 5
      3 4 5
        4 5
          5
```

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main()
```

```
{
```

```
    int i=0, j=0, k=0;
```

```
    clrscr();
```

```
    for(i=1; i<=5; i++)
```

```
    {
```

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

```
        {
```

```
            printf(" ");
```

```
        }
```

```
        for(j=i; j<=5; j++)
```

```
        {
```

```
            printf("%d", j);
```

```
        }
```

```
        printf("\n");
```

```
    }
```

```
    getch();
```

```
}
```

```

4)      1
        2 2
        3 3 3
        4 4 4 4
        5 5 5 5 5

```

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main()
```

```
{
```

```
    int i=0, j=0, k=0;
```

```
    clrscr();
```

```
    for(i=1; i<=5; i++)
```

```
    {
```

```
        for (k=1; k<=4; k++)
```

```
        {
```

```
            printf(" ");
```

```
        }
```

```
        for (j=1; j<=i; j++)
```

```
        {
```

```
            printf("%d", i);
```

```
        }
```

```
        printf("\n");
```

```
    }
```

```
    getch();
```

```
}
```

5)

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main()
```

```
{
```

```
int i=0, j=0, k=0;
```

```
clrscr();
```

```
for(i=1; i<=5; i++)
```

```
{
```

```
for(k=i; k<=4; k++)
```

```
{
```

```
printf(" ");
```

```
}
```

```
for(j=1; j<=i; j++)
```

```
{
```

```
printf("%d", j);
```

```
}
```

```
printf("\n");
```

```
}
```

```
getch();
```

```
}
```

Jumping Statement in C.

- WAP to take a number from user and print it in reverse.

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main()
```

```
{
```

```
    int n=0, rev=0, rem=0;
```

```
    clrscr();
```

```
    printf("Enter a number to reverse: ");
```

```
    scanf("%d", &n);
```

```
    while(n > 0)
```

```
    {
```

```
        rem = n % 10;
```

```
        rev = rev * 10 + rem;
```

```
        n = n / 10;
```

```
    }
```

```
    printf("The reverse of your input no is %d", rev);
```

```
    getch();
```

```
}
```


- WAP to take a number from user and print whether it is palindrome or not.

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main( )
```

```
{
```

```
    int n=0, rev=0, rem=0, temp=0;
```

```
    printf("Enter a number : ");
```

```
    scanf("%d", &n);
```

```
    temp=n;
```

```
    while(n>0)
```

```
    {
```

```
        rem=n%10;
```

```
        rev=rev*10+rem;
```

```
        n=n/10;
```

```
    }
```

```
    if(temp==rev)
```

```
    {
```

```
        printf("In the required no is palindrome");
```

```
    }
```

```
    else
```

```
    {
```

```
        printf("In the required no is not palindrome");
```

```
    }
```

```
    getch();
```

```
}
```

- WAP to take a no from user and print whether it is amstrong or not.

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main()
```

```
{
```

```
int n=0, sum=0, rem=0, temp=0;
```

```
clrscr();
```

```
printf("Enter a number:");
```

```
scanf("%d", &n)
```

```
temp = n;
```

```
while(n>0)
```

```
{
```

```
rem = n % 10;
```

```
sum = sum + rem * rem * rem;
```

```
n = n / 10;
```

```
}
```

```
if (sum == temp)
```

```
{
```

```
printf("In the given number is amstrong no");
```

```
}
```

```
else
```

```
{
```

```
printf("In the given number is not amstrong no");
```

```
}
```

```
getch();
```

```
}
```

- WAP to take a no from user and print individual digits and also print no of digits.

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main()
```

```
{
```

```
    int n=0, nd=0, id;
```

```
    printf("\n Enter a number : ");
```

```
    scanf("%d", &n);
```

```
    while(n>0)
```

```
    {
```

```
        id = n % 10;
```

```
        printf("%d", id);
```

```
        n = n / 10;
```

```
        nd++;
```

```
    }
```

```
    printf("\n The required number of digits = %d", nd);
```

```
    getch();
```

```
}
```