

```

#include <stdio.h>
#include <conio.h>
void main()
{
    int num, i, j, m = 1; // declare local variables
    printf (" Enter the number to define the columns: \n");
    scanf ("%d", & num);
    for (i = 1; i <= num; i++)
    {
        for (j = 1; j <= i; j++)
        {
            printf( "%c", 'A' + j -1);
        }
        printf("\n");
    }
    for (i = num-1; i >= 1; i--)
    {
        for (j = 1; j <= i; j++)
        {
            printf ("%c", 'A' + j -1);
        }
        printf("\n");
    }
    getch();
}
Output

```

```

A
AB
ABC
ABCD
ABCDE
ABCDEF
ABCDEFG
ABCDEF
ABCDE
ABCD
ABC
AB
A

```