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Section - 1

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Half Pyramid of Alphabets

Rudra is trying to learn C programming and is awestruck that we can use C programming language to make some amazing patterns. Given a character in uppercase, help him write a C program that makes half pyramid of alphabets till you reach the given input character.

Note: The number of characters in a row is equal to the row number. Characters start with A and it increases by one character in each row. Each row has the same character.

Sample Input 1

F

Sample Output 1

A

B B

C C C

D D D D

C (gcc 4.8.3) ▼



▶ Compile & Run

O/P »

```
1  #include<stdio.h>
2
3  int main(){
4      // input
5      char ch;
6      scanf("%c",&ch);
7
8      // print pattern
9      int rowSize = ch - 'A' + 1;
10     int i,j;
11     char character = 'A';
12     for(i=0; i < rowSize; i++){
13         for(j=0; j < i + 1; j++){
14             if(j == i)
15                 printf("%c",character);
16             else printf("%c ",character);
17         }
18
19         character++;
20         printf("\n");
21     }
22 }
23 }
```

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