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Section - 1

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Half pyramid of alphabets II

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. The total number of rows is equal to the character position in the alphabet set (for example the position of A is 1, of I is 9 and of Z is 26, and so on....) See sample inputs for further details

Hint: There is a space between characters in a row but there is no space after the last character or before the first character in a row.

Sample Input 1

T

C (gcc 4.8.3) ▼



▶ Compile & Run

O/P »

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

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