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/\* Lab 3 Question 7 \*/

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/\* Date: 3/17/21 \*/

/\* This Program employs a nested function \*/

/\* in order to print an alphabet pattern \*/

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#include<stdio.h>

int main()

{

//Declaration

char row, col, base;

//Data/Input

printf("Enter highest alphabet : ");

scanf("%c", &base);

//Processing/Calculation

for (row = 'A'; row <= base; row++)//For loop statement conducts a loop function for the rows based on the base number.

{

for (col = 'A'; col <= (row); col++)//Nested for loop statement conducts a loop function for the column as long as it is less than row number..

printf("%c", col);

printf("\n");

}

return 0;

}

//Output

//

//Test Run 1

//

//Enter highest alphabet : F

//A

//AB

//ABC

//ABCD

//ABCDE

//ABCDEF

//

//Test Run 2

//

//Enter highest alphabet : H

//A

//AB

//ABC

//ABCD

//ABCDE

//ABCDEF

//ABCDEFG

//ABCDEFGH

//

//Test Run 3

//

//Enter highest alphabet : C

//A

//AB

//ABC