[Solved] 16LAB: Warm up: Drawing a right triangle This program will output a right triangle based on user specified height triangle_height and symbol...

4.16 LAB: Warm up: Drawing a right triangle

This program will output a right triangle based on user specified height triangle_height and symbol triangle_char.
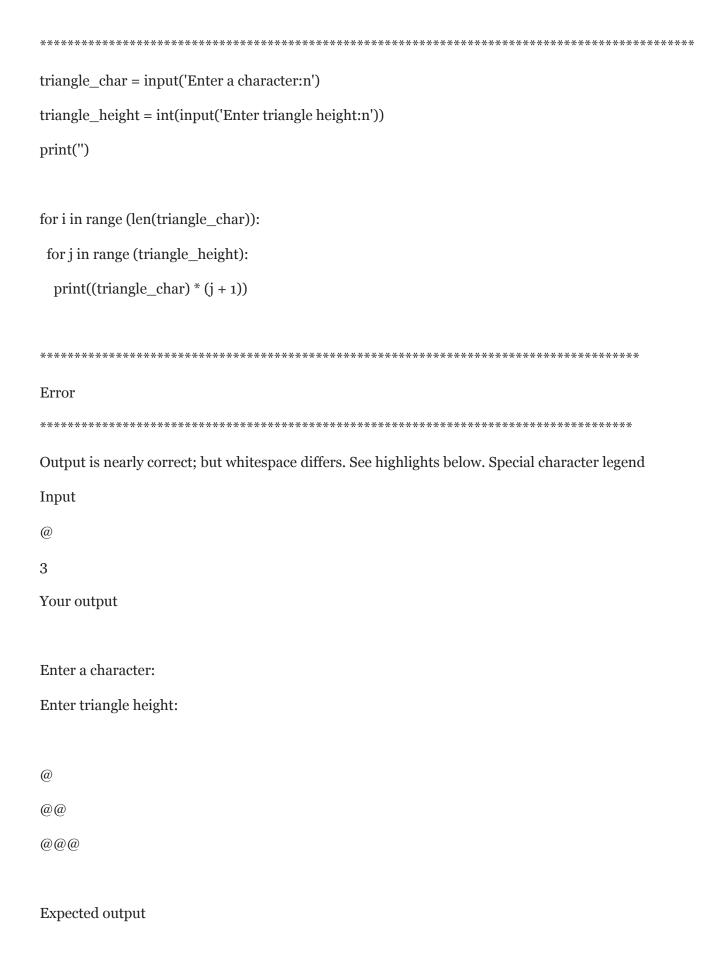
(1) The given program outputs a fixed-height triangle using a * character. Modify the given program to output a right triangle that instead uses the user-specified triangle_char character. (1 pt)

(2) Modify the program to use a loop to output a right triangle of height triangle_height. The first line will have one user-specified character, such as % or *. Each subsequent line will have one additional user-specified character until the number in the triangle's base reaches triangle_height. Output a space after each user-specified character, including a line's last user-specified character. (2 pts)

Example output for triangle_char = % and triangle_height = 5:

```
Enter a character:
%
Enter triangle height:
5

%
% %
% % %
% % % %
% % % % %
```

****

Current Code

```
****************************************************************************************

triangle_char = input('Enter a character:n')

triangle_height = int(input('Enter triangle height:n'))

print('')


for i in range (len(triangle_char)):

  for j in range (triangle_height):

    print((triangle_char) * (j + 1))


****************************************************************************************
Error
****************************************************************************************
```

Output is nearly correct; but whitespace differs. See highlights below. Special character legend

Input

@

3

Your output

Enter a character:

Enter triangle height:

@

@@

@@@

Expected output

Enter a character:

Enter triangle height:

@

@ @

@ @ @

Answer & Explanation

Solved by verified expert
Helpful

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This program will output a right triangle based on user specified height triangle_height and symbol triangle_char.

Step-by-step explanation

Here is your Answer:

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```
triangle_char = input('Enter a character:\n')
triangle_height = int(input('Enter triangle height:\n'))

print()
for i in range(triangle_height):
    for j in range(i+1):
        print(triangle_char, end=' ')
    print()
```


Note: PLEASE Thankful THE ANSWER AS IT WOULD BE GREAT HELP TO ME

Is this answer helpful?