

Lyceum of the Philippines University – Laguna Makiling, Calamba City





COLLEGE OF ENGINERING AND COMPUTER STUDIES

OUTCOMES EVALUATION 4

[Postcard from Giza]

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Course & Section BSCS 1-1

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OUTCOMES OUTLINE

I. DESCRIPTION
Implementation of For loop in creating a hollow triangle

II. THEORETICAL FRAMEWORK

INPUT	PROCESS	OUTPUT
Trows	<pre>for (int Trows = 1; Trows <= i; Trows++)</pre>	Trows
space	<pre>for (int space = 1; space <= (i - Trows); space++) { cout << " "; }</pre>	space
Tcol	<pre>for (int Tcol = 1; Tcol <= Trows * 2 - 1; Tcol++)</pre>	Tcol
i	int i;	i





III. SCREEN SHOTS

A. Visual Studio Code

B. Sample Input/Output

```
ChapterLoop Checkup Chicago Personnel Transfe Chicago Personnel Transfer Chicago
```





IV. **PROGRAM SOURCE CODE**

```
#include <iostream>
using namespace std;
int main()
    int i;
    cout << "Enter the height of the triangle : ";//User Input</pre>
    cin >> i;
    for (int Trows = 1; Trows <= i; Trows++)//Rows depend on user input</pre>
        for (int space = 1; space <= (i - Trows); space++)//For the</pre>
spacing of the *
            cout << " ";
        for (int Tcol = 1; Tcol <= Trows * 2 - 1; Tcol++)//Total columns</pre>
that will depend on total rows
            if (Tcol == 1 || Tcol == Trows * 2 - 1)//If T.Columns is equal
                 cout << "*";
            else if (Trows == i)//if false, execute T.Rows equal to user
input
                 cout << "*";
            else
                 cout << " ";
        cout << endl;</pre>
    return 0;
```

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V. GITHUB LINK

https://github.com/MikeVillegas00/Activities/blob/master/Hollowed_Triangle_OE4.cpp

VI. LEARNING OUTCOMES

I understand on how I can apply for loops and nested if else statement.

VII. REFERENCES (If any...)

https://www.youtube.com/watch?v=gEqPnHvzkTU