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Star Pattern In C

The task we have to perform is “**Star Pattern In C**”. Printing different pattern is one of the most popular programming exercise for beginners, it not only improves the programming skills but also the thinking ability of the person.

This Two type of Star Pattern we want to Display:

#### Triangular star pattern:

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#### Reserved Triangular Star Pattern:

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So here we go;

**Code1:**

#include <stdio.h>

//Logic for Trangular Star Pattern

void Triangular\_Star\_Pattern(int rows)

{

    for (int i = 1; i <= rows; i++)

    {

        for (int j = 1; j <= i; j++)

        {

            printf("\*");

        }

        printf("\n");

    }

}

//Logic for Reverse Trangular Star Pattern

void Reverse\_Triangular\_Star\_Pattern(int rows)

{

    for (int i = 1; i <= rows; i++)

    {

        for (int j = 1; j <= rows - i + 1; j++)

        {

            printf("\*");

        }

        printf("\n");

    }

}

int main()

{

    int type, rows;

    printf("Enter a number to choose a type of Star Pattern.\n\t\t 0 for Triangular Star Pattern, 1 for Reversed Triangular Star Pattern and 2 for both \n");

    scanf("%d", &type);

    printf("How many rows do you want? \n");

    scanf("%d", &rows);

    switch (type)

    {

    case 0:

        Triangular\_Star\_Pattern(rows);

        break;

    case 1:

        Reverse\_Triangular\_Star\_Pattern(rows);

        break;

    case 2: //For Displaying Both patterns

        printf("Printing Trangular Star Pattern\n");

        Triangular\_Star\_Pattern(rows);

        printf("\nPrinting Reverse Triangular Star Pattern\n");

        Reverse\_Triangular\_Star\_Pattern(rows);

        break;

    default:

        printf("Enter a Valid Choice");

        break;

    }

}

First copy this program to IDE and run it, so it would be pretty good to us to understand the program as it is little messy in this(document).

Here I made this program little big by adding switch case 2

But this program is very easy and understandable.

**Output1:**

Enter a number to choose a type of Star Pattern.

0 for Triangular Star Pattern, 1 for Reversed Triangular Star Pattern and 2 for both

0

How many rows do you want?

4

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**Output2:**

Enter a number to choose a type of Star Pattern.

0 for Triangular Star Pattern, 1 for Reversed Triangular Star Pattern and 2 for both

1

How many rows do you want?

4

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**Output3:**

Enter a number to choose a type of Star Pattern.

0 for Triangular Star Pattern, 1 for Reversed Triangular Star Pattern and 2 for both

2

How many rows do you want?

4

Printing Triangular Star Pattern

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Printing Reverse Trangular Star Pattern

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