Lab 3.4.15.1 Loops: do - while

Objectives

Familiarize the student with:

- Logic of loops: *do - while*
- Getting input from the user
- Printing characters on screen

Scenario

Write a program that asks for a number and then prints as many lines as the user inputs. Each line contains as many pairs of characters ("*#") as the number of this line. It should look like the right half of a pyramid. Your version of the program must print the same result as the expected output. To to this lab, you must use two *do-while* loops. Two exceptions:

- When the user inputs a number less than 1, then the program writes only one line.
- When the user inputs a number greater than 20, then the program writes only twenty lines.

```c
#include <stdio.h>

int main()
{
 /* your code */
 return 0;
}
```

Example input

3

Example output

```
*#
*#*#
*#*#*#
```

Example input

5

Example output

```
*#
*#*#
*#*#*#
*#*#*#*#
*#*#*#*#*#
```

Example input

0

Example output

```
*#
```