Introduction to Computer Science
Laboratory 6

1. Solve all the exercises present in the 6th tutorial.

2. Write a C program that takes an integer N as input and prints an inverted asterisk pyramid with N floors. For example, the output with N = 5 should be:

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

3. Write a C program that takes as input the file "input_ex2.txt" and prints to the screen al the characters between braces ("[" and "]").

   Hint: Redirect the input of your program to the file "input_ex2.txt".

4. Write a C program that takes as input the file "input_ex3_ex4.txt" and prints only the uppercase characters.

5. Write a C program that takes as input the file "input_ex3_ex4.txt" and creates a file called "output_ex4.txt" that contains only the lowercase characters of the input.

   Hint: Redirect the output of your program to the file "output_ex4.txt".

6. Write two C programs: The first should print the english alphabet and the second receives a stream of characters and prints the ones that their ASCII code is even.

   Hint: Redirect the output of the first program to a file and use it as input for the second one.