## INTRODUCTION TO COMPUTATIONAL PHYSICS

## ADDITIONAL EXERCISES

## Consolidation Week TB1 –Academic Session 2020–2021

1. Write a program asking for a positive integer n and returning a triangle of height n such as the one below,

- 2. Write a program echoing onscreen everything written by the user until the user is fed up with the passive-aggressive act and decides to write Exit.
- **3.** Write a program asking the user for a sentence and a character, then returning the number of times the character appears in the sentence.
- **4.** Write a program storing a password, then asking the user for said password until they write it correctly.
- 5. Write a program asking the user for a word, then showing each of the characters of the word onscreen in reverse order.
- **6.** Write a function converting any decimal point to binary form. Write its inverse function, i.e. a function converting binary to decimal.
- 7. Write a program receiving a string and returning a double list

collating each character against the frequency with which it occurs in the string.

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