

Lab 4 – Assignment 2

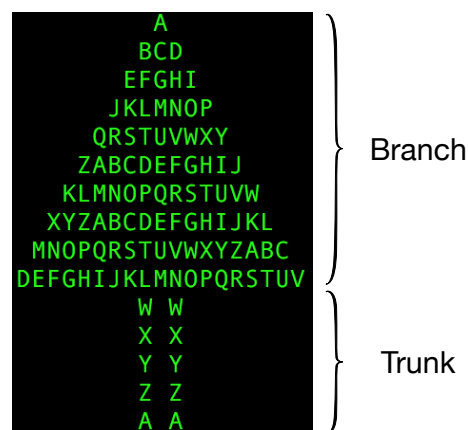
- Assignment Deadline: 02 March 2023, 11:59PM
- Submission: 1) a cpp file with student ID and name, 2) a screenshot of result and code

Problem: Print a tree

- Problem description

Alice wants to draw a Christmas tree. Could you help her to draw and print it use a computer with different height of branch? The requirements are as follows.

- The tree consists of branch and trunk (see the figure below). **The height of trunk is half of that of branch.**
- The tree is formed by sequential capital letters (from A to Z, after Z start from A again).
- The order of letter in branch is from left to right line by line; while the order in trunk is from up to down as shown in the figure.



- Input & output requirements

Input one even integer number to specify the height of branch. The output should follow the format as shown in sample results.

- Sample results

Sample 1

```
please input the branch size: 6

A
BCD
EFGHI
JKLMNOP
QRSTUVWXY
ZABCDEFGHIJ
K K
L L
M M
```